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**Caribbean and South American Regions  
Régions Caraïbes et Amérique du Sud  
Regiones del Caribe y Sudamérica**

# **Air Navigation Plan Plan de navigation aérienne Plan de navegación aérea**

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**Volume II, FASID  
Volume II, FASID  
Volumen II, FASID**

**Not to be used for operational purposes  
Ne pas utiliser pour l'exploitation  
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## INTRODUCTION — FASID

1. This second volume of the Air Navigation Plan (ANP) constitutes the CAR/SAM Facilities and Services Implementation Document (FASID) and accompanies the CAR/SAM Basic ANP. The background to the publication of air navigation plans in two volumes (Basic ANP and FASID) is explained in the introduction to the CAR/SAM Basic ANP. This FASID may only be amended according to the procedure approved by the ICAO Council as shown in the introductory part of the CAR/SAM Basic ANP.

2. This FASID contains the details of the facilities and services to be provided in order to fulfill the basic requirements of the plan and are as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. The elements of the FASID are kept under constant review by the CAR/SAM

Regional Planning and Implementation Group (GREPECAS) in accordance with its schedule of management, in consultation with user and provider States, and with the assistance of the ICAO SAM and NACC Regional Offices in Lima and Mexico City respectively. Most of the contents of the FASID originate from recommendations of the CAR/SAM/3 Regional Air Navigation Meeting (Buenos Aires, 1999) and earlier CAR/SAM RAN meetings, as well as from GREPECAS conclusions.

3. The Standards, Recommended Practices and Procedures to be applied and related guidance material for each part of the FASID (i.e. GEN, AOP, CNS, ATM, MET, SAR and AIS) are as listed in the equivalent parts of the Basic ANP. The BORPC in Part I of the CAR/SAM Basic ANP is also taken into consideration in the overall planning processes for the CAR/SAM regions.

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## **Part I**

# **BASIC OPERATIONAL REQUIREMENTS AND PLANNING CRITERIA (BORPC) — FASID**

The facilities and services set out in this FASID have been developed by the regional planning process referred to in the CAR/SAM Basic ANP. The Basic Operational Requirements and Planning Criteria agreed by the ICAO Air Navigation Commission and for use in the CAR/SAM regions is the cornerstone of that process.

## Part II

### GENERAL PLANNING ASPECTS (GEN) — FASID

#### FORECASTS

##### Traffic forecasts in CAR/SAM regions

1. Using the methodology described in the Basic ANP, traffic forecasts for the major route groups for 1996-2003 have been developed. Several econometric models for passenger data on each of the route groups have been developed. The forecasts developed by other organizations are also utilized as appropriate.

2. The historical trends in load factors and average seats for the route groups concerned as well as expectations of future load factors and trends in average seats are described in Tables II-1 and II-2 respectively.

3. The traffic forecasts developed for the period 1996-2003 for each of the route groups are described in Table II-3. The growth rates vary from a low of 4.5 per cent per annum for the route group South America to and from Central America/Caribbean to a high of 6.5 per cent per annum for the North America to South and Central America and Caribbean region.

4. The assumptions developed by the CAR/SAM TF group for load factors, average seat capacity increases and consequent growth rates for aircraft movements are also given in Table II-3.

##### Aircraft movements forecast

5. Using the 1996 Official Airline Guide Data as the base year, movement forecasts for all the city-pairs in each of the route groups have been estimated. The movement forecasts for the top 25 city-pairs for each of the regions are given in Tables II-4 to II-9. The forecasts for the rest of the city-pairs are aggregated into one figure, and included as 'others' in each of the tables. The city-pairs are ranked by descending order based on 1996 departures.

6. Detailed information of movements by type of aircraft for each of the city-pairs in a given route group is provided in Tables II-10 to II-15.

##### Analysis of FIR data

7. In order to estimate the peak-period parameters, such as the peak-day and peak-hour aircraft movements in the route groups concerned, the Forecasting Group requested data from several flight information regions (FIRs), to adequately represent the area. This data included (for each flight) the departure and destination airports, the time at a reported position (latitude, longitude and altitude) and aircraft type, identification and speed. Initially, information on all flights for the first seven days in July 1997 and the first seven days in November 1997 were used. Tables II-10 to II-14 provide aircraft movements through respective airspace for the period 1-7 July 1997, by country of origin and by aircraft type extracted from the FIRs of Chile, Santa Maria, Brasilia, Recife and Mexico.

8. The letter assigned to the origin country corresponds to the first letter of the ICAO 4-letter airport code of the origin of the flight (reference ICAO Doc 7910, *Location Indicators*). Figure II-1 identifies the letter assigned to AFS (Aeronautical fixed service) routing areas. Table II-15 shows the aircraft categories assigned to each of the groups.

##### Forecasts by the International Air Transport Association (IATA)

9. Tables II-16 to II-18 contain statistics developed by IATA corresponding to a period of traffic from 1985 to 1996 and to a forecast from 1997 to 2011 and will be updated in the future. The data presented covers international regular and charter flights. They do not include general aviation, international business aviation or military aviation.

## **AIRPORT DEVELOPMENT IN THE CAR/SAM REGIONS**

10. The expansion and development of existing airports with restricted capacity will resolve the current and expected problems of airport congestion and also could increase air traffic movement in the CAR/SAM regions.

11. In the CAR/SAM regions some national airports are expanding and developing into international airports, which would allow for an increase in air traffic.

## **GUIDANCE FOR IMPLEMENTATION**

### **Basic aspects of financing airports and air navigation services**

#### **General**

12. The substantial investments required to implement new airport and air navigation services call for innovative as well as traditional approaches to financing, including exploring new sources and financing mechanisms. Improvements in financial control and management are also required in many States if commercial financial institutions are to be convinced to advance funds for such investment projects.

13. The following are all important prerequisites for successful cost recovery of and obtaining financing for airport and air navigation services:

- a) recognition and awareness of ICAO's cost recovery policy for airport and air navigation services;
- b) establishment and existence of an effective cost and revenue accounting system;
- c) a sound methodology for determining the cost basis for the charges; and
- d) an effective mechanism for the collection of the charges.

14. Practical guidance on financial management of airports and of air navigation services systems is available in the *ICAO Airport Economics Manual* (Doc 9562) and the *Manual on Air Navigation Services Economics* (Doc 9161) respectively, as well as in the *Report on Financial and*

*Related Organizational and Managerial Aspects of Global Navigation Satellite Systems (GNSS) Provision and Operation* (Doc 9660).

#### **Cost recovery policy**

15. Detailed policy guidance in the area of airport and air navigation charges is provided in the *Statements by the Council to Contracting States on Charges for Airports and Air Navigation Services* (Doc 9082/5).

16. Basic principles contained in the Council Statements are, for example, that charges should be based on the full costs of service provision, that charges can be levied for services provided outside the territory of the provider State, and that consultation with users should take place regarding new or revised charges. Of relevance in the context of financing is the principle that when the cost basis for air navigation services charges is established, the "costs to be taken into account should be those assessed in relation to the facilities and services, including satellite services, provided for and implemented under the ICAO Regional Air Navigation Plan(s), supplemented where necessary pursuant to recommendations made by the relevant ICAO Regional Air Navigation Meeting, as approved by the Council. Any other facilities and services, unless provided at the request of operators, should be excluded..." (paragraph 34 (ii)). Bearing this in mind, priority should first and foremost be given to financing facilities and services that meet these important cost recovery prerequisites.

17. International cooperation in the provision and operation of air navigation services is particularly encouraged in the Council Statements.

#### **Availability of financial data essential for cost recovery and infrastructure financing**

18. When financing for airports and air navigation services infrastructure is being sought it is important to be able to demonstrate that the providers of airports and air navigation services in the State concerned employ efficient and effective accounting systems permitting the identification and inclusion of all relevant costs in the cost basis for airports and air navigation services charges. This is particularly relevant where prospective sources of financing are commercial banks or other commercial financial institutions, which place emphasis on evidence of sound financial management so as to be provided with added assurance that a loan granted by them can be serviced and

repaid by the recipient.

19. Also relevant in the context of financing airports and air navigation services is demonstration of the ability to draw up a financing plan. The plan should provide such basic information as estimates of component costs (labour, materials, etc.); the funds required at various stages; currencies in which payments are to be made; the sources from which the funds are to be forthcoming (self-generated and/or provided by others) including terms, and repayment (origin of funds used). It should be stressed that the availability of a financing plan is a prerequisite for meaningful negotiations with a commercial financing institution to take place.

### ***Cost/benefit analysis and development of business cases***

20. Cost-benefit analysis is used to estimate the economic viability of a planned investment project, that is the extent to which the total benefit from the investment exceeds its total cost. CNS/ATM is more complex than most projects and consists of a package of investments.

21. A recommended approach to cost-benefit analysis of CNS/ATM is that of Net Present Value (NPV). This means making predictions of the future profiles of the annual costs and benefits associated with the implementation of CNS/ATM systems. Once all the year-by-year expenditures and benefits are established, the net benefit (benefit minus cost) for each year can be calculated and discounted back to the base year in accordance with standard accounting practices.

22. The development of business cases for the implementation of CNS/ATM systems involves taking cost-benefit analysis a step further. The business case evaluation should include the impact on revenues of changes in en-route charges associated with the implementation of the system. Such analysis will also provide the yearly funding profiles for each State, sub-region or the region concerned depending on the implementation strategy adopted. The overall socio-economic benefits of an improved aviation infrastructure are difficult to quantify. Nevertheless, States may also wish to consider these benefits in their overall analysis.

### ***Sources of financing and financing mechanisms***

23. Funding for airports and air navigation services

may originate from a variety of sources, six of which are listed below:

- a) contributions from government (national or foreign);
- b) commercial sources (debt financing);
- c) accumulated excess of revenues over costs (profits);
- d) bonds;
- e) equity financing (share capital); and
- f) leasing.

24. In addition to these six basic sources, combinations of these may be used; there may be also other options for the funding of airports and air navigation services in general.

## **NATIONAL ORGANIZATIONAL AND INTERNATIONAL COOPERATIVE ISSUES**

### ***Autonomy at the national level***

25. There is a trend over recent years towards air navigation services and airports being operated by autonomous authorities established specifically for that purpose.

26. An autonomous authority refers to an independent entity or body established for the purpose of operating certain facilities and providing specific services, and being granted operational and financial freedom to carry out its functions. Autonomy can take many forms and does not necessarily mean privatization (although privatization is one form of autonomy) since ownership can rest in public or private hands or a mixture of both. A single autonomous authority may operate both airports and air navigation services and that authority may be in the form of a civil aviation authority. Regardless of the organizational form under which air navigation services are provided, according to Article 28 of the Chicago Convention it is the State that is ultimately responsible for the provision and operation of air navigation facilities and services. It also retains the responsibility for the safety of civil aviation.

### ***International cooperative ventures***

27. International cooperative ventures in the provision

of air navigation services have normally proven to be highly cost-effective for provider States and users alike, and in some instances constitute the only means for implementing costly facilities and services which offer capacity that exceeds the requirements of individual States. By cooperating in such facility or service provision the States concerned are able to provide more efficient services and at lower cost than if they were to finance the facilities concerned themselves. Major CNS/ATM systems components are typical of such facilities and services where international cooperation is essential.

### ***International operating agencies***

28. An international operating agency is a separate entity assigned the task of providing air navigation services, principally route facilities and services, within a defined area on behalf of two or more sovereign States. The services such an agency provides are usually in the categories of air traffic services, aeronautical telecommunication, search and rescue (essentially rescue coordinating centres) and aeronautical information services, but can extend to meteorological services for air navigation as well. These agencies are also responsible for the operation of charge collection systems for the services provided. Examples of international operating agencies are ASECNA in Africa (which operates airports as well as air navigation services), COCESNA in Central America and EUROCONTROL in Europe.

### ***Joint charges collection agencies***

29. Another effective, if less encompassing, means for States to benefit from cooperation in their provision of air navigation services would be to participate in the operation of a multinational charges collection agency. This is because States individually operating route facilities and charging for the services rendered are involved in considerable accounting work, and may also encounter collection difficulties where there is a substantial volume of overflying traffic.

30. Such an agency would collect route air navigation services charges on behalf of all of the participating States, including those which are overflown. The agency would then transfer to each participating State the charges revenue collected on its behalf. Added to each charge levied for each participating State would be a small fee or percentage to cover the State's share of the agency's costs. Start-up funds required for the acquisition of premises and data processing and other equipment, pre-operational training, etc., should normally not pose a major problem since they could be obtained through a financing institution, including a com-

mercial bank. The loan would be repaid over a few years, with instalments and interest being included in the agency cost element that would be added to and recovered through the route air navigation services charges billed and collected by the agency. For the agency to be cost-effective several States would need to be involved.

### ***Multinational facilities and services***

31. A multinational navigation facility/service is essentially a facility or service included in an ICAO regional air navigation plan for the purpose of serving international air navigation in airspace extending beyond the airspace serviced by a single State in accordance with that regional air navigation plan. Elements of the satellite communications systems required to implement the CNS/ATM concept operated for groups of States represent examples of prospective multinational air navigation facilities/services while an earlier global example is the world area forecast system (WAFS).

### ***Joint financing-type arrangements***

32. The basis for the joint financing concept is that certain air navigation facilities and services may be too costly for a State to provide and operate alone for the benefit of international civil aviation at large. This is recognized in the Chicago Convention where Chapter XV lays down the basic principles for "joint support" action if a State applies to ICAO for financial or technical aid or if the Council acts on its own in offering assistance to remedy a situation that might impair the safe, efficient and economical operation of international air services. Two Agreements concluded under Chapter XV, one with Denmark, the other with Iceland, are currently in force. The Agreements cover the operation and financing of facilities and services provided by Denmark and Iceland for civil aircraft flying across the North Atlantic, north of the 45°N latitude. These services comprise air traffic control, communications and meteorology. Financial responsibility is assumed by a group of 23 States whose Governments contract to the relevant Agreements, including the two provider States. The responsibility for the administration of the Agreements rests with the ICAO Council and the Secretary General, on behalf of the Contracting Governments.

33. The joint financing concept used for the Danish and Icelandic agreements has also been adopted for the

administration by ICAO of a height monitoring systems programme operated jointly by six States providing air navigation services on the North Atlantic.

34. As another example of a joint financing-type arrangement, ICAO has, on request of the governments concerned, developed and is now administering the Satellite Distribution System (SADIS) Cost Allocation and Recovery (SCAR) scheme.

35. ICAO's administration of all the arrangements concerned has proven most successful and cost-effective from the viewpoint of the contracting governments involved.

36. Joint financing-type arrangements would lend themselves well to the implementation of a number of CNS/ATM systems components and other air navigation facilities or services in situations where it is, for example, very costly for a State to act alone or where an existing regional organization (ASECNA, COCESNA, EUROCONTROL, etc.) does not act on the States's behalf. Such components include integrity monitoring and wide area augmentation systems required in connection with the GNSS, and could also include ground earth stations (GES) and sharing in the use of communications satellite transponders.

### **General guidelines on the establishment and provision of multinational facilities/services in the CAR/SAM regions**

#### **General**

37. When implementing facilities and services States will wish to explore the possibilities for the establishment and provision of a multinational facility/service and the following guidelines are available in that regard.

#### **Introduction**

38. These guidelines were developed by the CAR/SAM/3 RAN Meeting (1999), Recommendation 13/2 pursuant to Recommendation ANSEP/2-3 approved by the ICAO Council at the sixth meeting of its 146th Session.

39. They reflect relevant ICAO provisions and established policies on the Organization's regional planning for and implementation of facilities/services required for air navigation applicable in the CAR/SAM regions. They also

recognize the principle that costs may be recovered for facilities and services provided for and implemented under the CAR/SAM Regional Plan as approved by the Council according to the principles set forth in the *Statements by the Council to Contracting States on Charges for Airports and Air Navigation Services* (Doc 9082, paragraph 34 (ii) refers) and the more detailed guidance material in the *ICAO Manual on Air Navigation Services Economics* (Doc 9161).

#### ***Defining multinational air navigation facilities/services***

40. It is expected that multinational air navigation facilities/services will, for some time, continue to be the exception rather than the rule within the CAR/SAM regions. Due to this, their impact on the system as a whole as well as the implications for users and providers of the multinational facilities/services, they need to be identified at an early stage by GREPECAS or other implementation group. Defining a multinational CAR/SAM air navigation facility/service in the following way would facilitate such identification in a rational manner:

A facility/service specifically identified as such and included in the ICAO CAR/SAM Regional Plan for the purpose of serving international air navigation in airspace extending beyond the airspace serviced by a single State in accordance with the CAR/SAM Regional Plan.

41. The definition given above would apply only to multinational facilities and services that, in order to be implemented, would require an amendment to the CAR/SAM Regional Air Navigation Plan. The purpose of a multinational facility/service to serve international air navigation in airspace extending beyond the airspace serviced by a single State is a useful and qualifying element. It is a crucial criterion in that it unambiguously discards other possibilities which the machinery for regional planning and implementation of requirements for facilities/services provides for under Article 28 of the Convention, in accordance with Standards and Recommended Practices and relevant Assembly Resolutions, e.g. delegation of airspace, operating agencies, bilateral and multilateral agreements or, as a last resort, joint financing under Chapter XV of the Convention. While in any such case States would individually remain responsible under Article 28 for the provision of facilities/services within the area of their jurisdiction, a "multinational" facility/service by its very nature would extend beyond the individual airspace of a State.

42. In ICAO rules and procedures the term “facility/service” for air navigation is well understood. Contrary to the term “project” or any other term which may relate only to certain segments or phases of an undertaking, it does not exclude research, development, operation and eventually the phasing out of a joint venture. In this context, there is therefore no need to depart from the well known term “facility/service” for air navigation. There is, however, room for amplifying the definition by additional elements in order to dissociate the common undertaking from those facilities/services which are provided by one State only.

### ***Applicability of ICAO provisions***

43. Pursuant to Article 28 of the Convention and in line with the ICAO policies concerning the formulation of regional plans and their implementation, a multinational facility/service, establishment of which requires an amendment to the CAR/SAM Regional Air Navigation Plan, would be set forth in the regional plan as established by the Council. In turn, when establishing the cost basis for route facility charges, the Council-approved principles are to be applied, i.e. the costs to be taken into account should be those assessed in relation to facilities and services provided for and implemented under the CAR/SAM Regional Plan.

### ***CAR/SAM Regional Plan***

44. Regional plans for facilities, services and procedures are established by the Council, normally on the advice of regional air navigation meetings. Between such meetings plans are updated, on an *ad hoc* basis, through the Procedures for the Amendment of Approved Regional Plans. In both cases an experimental procedure based on Recommendation No. 2 of the Conference on the Economics of Route Air Navigation Facilities and Airports (1973), applies as follows: in case of an objection to the inclusion of facilities/services in the plan raised by a State on the grounds that facilities/services are not required for international civil aviation, to the extent feasible, costs of the facilities/services questioned are evaluated.

45. The CAR/SAM Regional Planning and Implementation Group (GREPECAS) as well as all parties to the regional planning processes for the continuous management of the CAR/SAM Air Navigation Plan, should continue to pay due regard to the operational requirements, expected technical progress, the likely financial implications for users and providers, and possible alternative solutions and operational cost/benefit considerations.

46. The process for development and implementation of multinational facilities/services would be similar to that concerning the inclusion of any facilities/services in the CAR/SAM Regional Plan and would have the general objective of ensuring continuous and coherent development of the CAR/SAM Regional Plan as a whole and possible benefits of joint action by participating States.

### ***Planning and development of a multinational air navigation facility/service in the CAR/SAM regions***

47. The following guidelines constitute a step-by-step process for the development of a multinational air navigation facility/service in the CAR/SAM regions.

48. The need for a multinational air navigation facility/service may originate from either the CAR/SAM Regional Planning and Implementation Group (GREPECAS) or a State or a group of States.

49. It is recommended that States consider the following areas when assessing the need for and implications of establishing a multinational facility/service:

- a) *purpose of the multinational air navigation facility/service and its operational and technical justifications.* This should include the overall plan and targets for the development and the establishment of the facility/service. The likely implications if any, on regulations, working-routines, equipment, premises and maintenance should be included. Information on the expected consequences on the overall CAR/SAM air navigation system or any part thereof should also be included;
- b) *financial implications and cost-effectiveness.* Related information should include estimates of the total costs of the multinational facility/service covering, as required, research and development, implementation, operation and maintenance, administration, and capital costs; how all costs incurred prior to the operational phase will be financed; assessing savings which may accrue from the implementation of the facility/service (these can be measured in monetary and/or physical terms, for example, air traffic controller positions, communications facilities, etc.) and comparing these savings to the total cost estimates; proposals as to how cost shares of States participating in the provision of the project are to be determined. Also, assessment needs to be provided on impact on users from charges for the facility/service

concerned;

- c) *managerial implications*; and
- d) *alternative solutions*.

50. If the establishment of a multinational facility/service will not require an amendment to the CAR/SAM Regional Air Navigation Plan, States need only inform the ICAO Regional Office concerned. The regional office, in turn, should report to GREPECAS if the establishment of a multinational facility/service will have any potential effect on plans that are under development. The need for an amendment to the regional air navigation plan should be assessed by the State or States involved.

51. If the establishment of a multinational air navigation facility or service will necessitate an amendment to the regional air navigation plan, the amendment will be carried out in accordance with the established procedures. The State or States involved should contact the ICAO Regional Office concerned. In turn, the regional office could consult GREPECAS when required, or if requested by the States establishing multinational facilities/services, to:

- a) ensure the continuous and coherent development of the CAR/SAM Regional Plan as a whole taking into consideration the effect of such a development on the regional plans of adjacent regions; and
- b) identify specific problems in the air navigation field and propose, in appropriate form, action aimed at resolving these problems.

#### ***Financial, managerial and other contractual aspects***

52. The participation of States in the provision of a multinational facility/service is based on the assumption that any State having supported and agreed to the implementation of such a facility/service and making use of it should also shoulder its respective share of the costs involved. The participating States would need to formalize in an agreement the terms under which the multinational facility/service is to be provided. A primary aim of the agreement should be to ensure that the costs involved are shared among the participating States in a fair and equitable manner.

53. This part of the guidelines is concerned with the main contractual aspects, financial, managerial and other issues, that should normally be considered when initiating

work on a potential multinational facility/service. The basic provisions that would need to be considered for incorporation in such an agreement are outlined, including provisions concerning cost sharing and cost determination. However, the guidance does not extend to the presentation of a draft model agreement or clauses, since circumstances related to the planning, implementation and operation of individual multinational facilities/services may vary considerably.

*Note.— The guidelines generally refer to “agreement” as a generic term covering one or more agreements as the case may be.*

#### ***Types of agreements***

54. An agreement covering the development, implementation, operation and maintenance of a multinational facility/service could either take the form of a formal international treaty or an “administrative agreement”. Both forms establish an international obligation but a treaty requires the signature of the head of state or government and will also require the ratification or approval of the national legislative assembly, which, as a rule, is a time-consuming process. An “administrative agreement”, on the other hand, is at a lower level of requirement in respect of formalities and procedures than a treaty, can be signed by a minister or director of civil aviation or some other authorized person, and could be concluded by an exchange of letters or notes.

55. It is recommended that, whenever possible, the agreement be established in the form of an “administrative agreement” rather than a formal international treaty because this would allow the agreement to come into force with minimum delay and also permit greater flexibility in incorporating any subsequent modifications required. It is recognized, however, that in some States constitutional or legal circumstances may require the approval of the legislative assembly for financial obligations to be accepted by the State, particularly if these are of a substantial magnitude and/or extend over a period of time. Whatever form is used the agreement(s) should be structured to provide for easy subsequent amendments as developments may require. To this end, material of detail which is more likely to require modifications, and which will not affect the basic provisions of the agreement, should be contained in annexes or appendices.

56. It is further recommended that whenever possible only one general agreement (treaty/“administrative agreement”) be adopted covering all aspects of the facility/service concerned through all its phases. However,

this may not always be possible. In certain circumstances it might be necessary or preferable to have more than one agreement (treaty/“administrative agreement”) differing in scope and content. In those circumstances the aim should be to cover as many aspects as possible in the “administrative agreement” and limit the use of the treaty to those aspects for which this form of agreement is essential for the States concerned. Recognizing this, one agreement for example, might cover the activities, including pre-financing, to be undertaken by those States that accept the responsibility for bringing the facility/service up to operational status, with another agreement to be concluded between all the States (including the first group of States aforementioned), which would use or be served by the facility/service once it became operational. In such circumstances the former agreement would be important because the first group of States would have to ensure the provision of funds from their own resources to ensure the implementation of the facility/service, since no inflow of revenues from charges on users (aircraft operators) would take place until the multinational facility/service becomes operational.

57. Another possible approach, if required by circumstances, would be for all the participating States to conclude an agreement covering, in general terms, their commitment to participate in the provision of the multinational facility/service, and then developing a separate agreement covering all aspects relating to the financing and operation of the multinational facility/service.

58. The various basic provisions that would normally have to be covered in an agreement of this nature are addressed below in the sequence they would usually appear, as follows:

- a) *Objective of the agreement.* In the introductory text the agreement should set out the objective underlying the participating States’ decision to jointly arrange for the provision of the multinational facility/service concerned.
- b) *Obligations of States party to the agreement.* The agreement should at the outset briefly set forth the basic obligations of the participating States. These include the obligation (by a participating State or group of States individually or collectively or as assigned to an organization or agency) to establish and operate the facility/service concerned; the obligation of each participating State to pay its share of the costs involved; the obligation to observe ICAO policies and practices, including those addressing cost recovery by States from aircraft operators, etc.
- c) *Definition and description of the facility/service.* The agreement should contain a clear and accurate definition and description of the multinational facility/service to be provided and the functions it is to perform, including to the extent possible and desirable, the supporting services required. It may be advisable in certain cases to make specific reference to functions that the multinational facility/service will not be performing.
- d) *Establishment and operation of the facility/service.* The agreement should specify who will establish and operate the facility/service concerned, namely whether this is to be done by one State, two or more States, an existing international organization, an existing national or international agency, or a new agency to be established specifically for this purpose.
 

*Note.— The decision as to who should provide the facility/service could be influenced, in particular, by the anticipated capital investment and annual costs involved, as well as the extent to which the alternative providers (i.e. a participating State or States, international organization or agency) have been engaged in the function(s) concerned.*
- e) *Legal responsibility.* If an international organization or agency (as referred to in Assembly Resolution A22-19) is to establish and/or operate the facility/service concerned, it will have to be endowed with proper legal responsibility to have the capacity to contract, to acquire and dispose of property and to institute and answer legal proceedings.
- f) *Liability aspects.* Closely related to legal responsibility are the liability aspects which may have to be addressed in the agreement. This involves such aspects as the determination of the extent to which liability is to be assumed in connection with the provision of the multinational facility/service. Other aspects also include whether the entity providing the facility/service concerned, whether an international organization or agency or State(s), should alone assume such responsibility or whether this should be shared amongst all the participating States.
- g) *Managerial aspects:*
  - 1) *Governing bodies and decision-making arrangements.* The nature of the governing body or bodies required to administer the agreement needs to be established and a description of their functions provided. Should a new agency be established to

operate the multinational facility/service, this would need to be stipulated in the agreement, where reference should also be made to the functions and responsibilities of the executive head of the agency and to whom he or she would be responsible.

Voting arrangements should be specified. It would need to be decided whether each participating State should have equal voting power (as is, for example, the practice of ICAO). Alternatively, each State's vote may be weighed in accordance with a predetermined formula, which would need to be specified, for example, by determining the voting power according to that participant's share of total contributions to the facility/service or agency concerned. A maximum and/or a minimum limit may be set for the number of votes that can be assigned to any individual participant regardless of that participant's share of total contributions.

Another voting aspect which has to be decided on, and specified in the agreement, is whether a simple majority would apply in all cases or whether for particular issues a large majority vote (to be specified) or even unanimity would be required. Where different degrees of majority voting would apply depending on the matter or subject being voted on, these would also need to be clearly identified in the agreement.

- 2) *Organization and staffing.* The agreement should refer to the manner in which the entity actually operating the facility/service would structure or organize its functions. This would apply in particular if the operation is to be assigned to a new agency. Various aspects of staffing (nationality, numbers and type, etc.) will also need to be addressed and, as appropriate, incorporated in the agreement (or an annex to it). If the participating States agree that the multinational facility/service is to be provided by one State or by two or more States (each providing separate components or parts of the project involved), the nationality of staff should not give rise to any problems, and need not be covered in the agreement. However, operation by an international organization or agency may require that certain stipulations be included in the agreement concerning the selection of qualified staff from participating States. Other aspects to be considered, aside from the number and types of staff, are the various elements of conditions of service including status to be accorded to any expatriate staff, tax exemptions, etc., which will

reflect on the overall costs of the venture.

- 3) *Consultation.* Provision should be made in the agreement to ensure adequate consultation with States being party to the agreement but not represented on the governing body, and appropriate aircraft operators' organizations. Such consultations should at least be undertaken in advance of any developments that could materially affect cost share to be allocated to these States, user charges, and the quality of the services provided.

#### h) Financial aspects:

- 1) *Pre-implementation considerations.* The determination and presentation of the costs attributable to the provision of the multinational facility/service concerned should proceed in a manner acceptable to all the participating States. In this context it should be noted that bringing the facility/service up to implementation status can involve the costs of implementation being financed by one or more of the participating States. However, once the facility/service has been implemented, these costs would be capitalized and then included as depreciation (together with accumulated interest) in the overall cost base to be shared among the States participating in the provision of the facility/service concerned.
- 2) *Cost determination.* In order to formalize the manner in which the costs to be shared should be arrived at, the agreement between the States participating in the provision of a multinational facility/service should contain clauses referring to the determination of the related costs. The agreement should also stipulate that the approach towards cost determination be based on that recommended in Chapter 4 of the *ICAO Manual on Air Navigation Services Economics* (Doc 9161). Should more comprehensive instructions, based on Doc 9161, be required, it is preferable that these be presented in an annex in view of their relative volume and detail, and also because it may be expected that they would need to be updated and modified more frequently than the main text of the agreement. (Amendments to the annexes to the agreement would normally be subject to the approval of the governing body of the multinational facility/service).

In line with the approach adopted in Doc 9161, the annex would normally contain an inventory of the

various components of the multinational facility/service (e.g. buildings, equipment, number of staff by function, etc.). It would also cover the determination of annual costs, i.e. operation and maintenance costs, administrative overheads, depreciation and/or amortization and cost of capital as well as special capital outlays. Finally, where a multinational facility/service or any of its components serve other than the multinational functions specified in the agreement (i.e. functions serving one State only, or non-aeronautical functions), instructions should be provided to ensure the accurate determination of the “multinational” costs to be shared among the participating States.

The agreement would also need to specify, normally in an annex, the basic format to be used for the presentation of the annual costs for approval. The scope and detail of the format will depend on the particular circumstances involved.

- 3) *Cost sharing.* Once a State has supported and agreed to the implementation of a multinational facility/service and is making use of it, it would be expected to assume responsibility for its share of the costs involved. This basic obligation should be reflected in the agreement between the participating States.

The agreement should outline the procedure to be applied for determining the cost share to be borne by each participating State. Any cost sharing method should, to the extent possible, be equitable, simple and easy to apply. The question of equity should not only be considered in the context of the participating States, but also with respect to the final users (aircraft operators) since it may be assumed that in most instances the participating States would include the costs they incur in the cost base for their air navigation facility charges, where levied.

In general, it does not appear feasible to recommend one specific method or approach to cost sharing because the situation will vary, depending particularly, on the technical and operational characteristics of the multinational facility/service involved, the views or policies of the participating States on how costs should be shared, and the volume of these costs.

In the interest of equity, however, any method of cost sharing should, in principle, be based on the extent of

the use of the multinational facility/service concerned by each participating State. Thus, the parameters or keys used to determine each State’s cost share should reflect the extent of such use. However, if the use made of a multinational facility/service can only be measured by applying complex procedures and at a cost which is not commensurate with the costs to be shared, other methods of cost sharing based on readily available and relevant statistical data could be applied. Whatever method is selected it must provide for the just and equitable sharing of the costs involved.

A multinational facility/service might be operated by one or more States with other States contributing their share of the costs involved. In such circumstances, all the States concerned must decide whether or not the total costs should be subject to sharing or if any allowances should be made to reflect any tangible benefits accruing to the State(s) engaged in the actual operation of the facility/service concerned. Such benefits would usually be in the form of employment of nationals, contracts awarded to national companies, etc., with their associated multiplier effect on the economies of the State(s) concerned. It should be noted that the States actually operating the facility/service would, like other State(s) using it, be obliged to pay its (their) share of the total costs to be shared.

- 4) *Recovery of costs from users.* As a rule, a multinational facility/service would have to be “multinationally” financed or prefinanced by a State, group of States or by an agency as established under the authority of an agreement by States. However, any of these could recover the costs so incurred from users once the facility/service has been implemented. Nevertheless, States may also choose to recover less than full costs in recognition of local, regional or national benefits (Doc 9082, paragraph 35 (i) refers). Where an agency has been authorized to recover its costs through charges, the authorizing States would nevertheless need to make up for revenue shortfalls where, for example, the States had decided certain flights should either be exempted from or pay reduced charges.

It would be up to each participating State to decide whether or not it wishes to recover its cost share from the users (aircraft operators). A State could either include these costs in its cost base for route facility

charges (if it levies such charges), or, alternatively, recover the costs by levying a separate charge (normally a more complex and costly procedure to administer). While the recovery of such cost shares from users might normally not be referred to in an agreement on a multinational facility/service, the agreement could include a provision to the effect that such recovery must be based on Article 15 of the Chicago Convention as well as the principles and recommendations in Doc 9082.

If the participating States were to assign the operation of a multinational facility/service to an international organization or an international agency and decide that it should levy charges on aircraft operators for the purpose of full or partial cost recovery, this would need to be covered in the agreement. In such instances the agreement would usually also stipulate (probably in a separate annex) the charging formula to be used, reductions and exemptions granted, billing and payment arrangements, etc. Such procedures would, of course, need to conform with the provisions of Article 15 of the Chicago Convention and Doc 9082.

- 5) *Budgeting.* Proper financial control will require costs and revenues to be estimated in advance. The itemization of the costs should basically correspond with that used for the presentation of costs. This will enable actual costs to be compared with estimated costs, and actual revenues with those estimated.
- 6) *Authority to approve the budget.* The agreement should also stipulate who has the authority to approve the budget and thus authorize the use of funds to meet operating expenses and capital expenditures. This authority would normally be vested in the governing body of the multinational facility/service concerned.
- 7) *Financial auditing.* The financial audit function forms an integral part of the determination of the costs to be shared and the cost share to be borne by each participating State as well as of proper financial control. The agreement between States participating in the provision of a multinational facility/service should therefore specify that an annual financial audit be performed by a certified independent external auditor.
- 8) *Taxation and other government levies.* The subject of tax exemptions and other aspects related to taxation will need to be addressed in the context of the overall operations of the multinational facility/service. Similarly, with regard to other government levies such as custom fees and duties, value added tax, etc., it may also need to be considered whether the import or export, purchase or sale of any equipment, supplies, etc., required for the operation of the multinational facility/service concerned should be exempted from all such levies in the participating States. The inclusion of clauses to that effect would be likely to require an agreement subject to ratification, such as a treaty.
- i) *Procedures for settlement of disputes.* The agreement should contain stipulations setting out the procedures to be followed for settlement of disputes between the participating States arising from the provision of the facility/service concerned. Regarding the settlement of disputes arising from different interpretations being given to the agreement, the States concerned would have to agree on the procedures for negotiation or arbitration and on the body to which an appeal for a final ruling could be made.
- j) *Accessions, withdrawals, amendments to and termination of agreement.* The agreement should contain provisions, including those describing the financial implications involved, to:
  - cover the subsequent accession by any additional qualifying State(s) after the agreement is in force; and
  - specify the procedure to be applied when a signatory State wishes to withdraw from the agreement as well as procedures to follow in the event of termination of the agreement.

Similarly, the agreement should specify the procedures to be followed if amendments are to be made to the main text or to any Annexes (for which different procedures would normally apply).

### ***Homogeneous areas and major traffic flows defined***

59. The major traffic flows identified in the homogeneous areas are given in Table II-19. The flows that cross more than one homogeneous area are cited only in the homogeneous area corresponding to the direction of the flow, that is, North/South or East/West.

**Management of implementation work groups**

60. A table is to be developed and included which identifies interested provider and user States and international organizations that correspond to each of the

eighteen CAR/SAM planning axes of flow specified by GREPECAS. That Group, in coordination with ALLPIRG as appropriate, will manage the formalization of such groupings and prioritize their work. The table will serve as a tool for inter-regional coordination.

**Table II-1. Analysis of load factors**

| Region                                                   | Historical |      |      | Forecast  |
|----------------------------------------------------------|------------|------|------|-----------|
|                                                          | 1986       | 1995 | 1996 | 1998-2003 |
| Southern South America                                   | 0.67       | 0.72 | 0.69 | 0.74      |
| Upper South America/Caribbean                            | 0.68       | 0.74 | 0.76 | 0.76      |
| Intra South America                                      | 0.48       | 0.59 | 0.58 | 0.60      |
| Intra Central America/Caribbean                          | 0.47       | 0.59 | 0.58 | 0.60      |
| North America to South and Central America and Caribbean | 0.64       | 0.65 | 0.62 | 0.65      |
| South America to/from Central America/Caribbean          | 0.55       | 0.60 | 0.62 | 0.65      |

Note.— Regions are described as follows:

Southern South America: Argentina, Brazil, Chile, Paraguay and Uruguay.

Upper South America/Caribbean: Bolivia, Caribbean States, Central American States, Colombia, Ecuador, French Guiana, Guyana, Mexico, Panama, Peru and Suriname

**Table II-2. Analysis of capacity (average seats)**

| Year | Southern South America | Upper South America and Caribbean | Intra South America | Intra Central America and Caribbean | North America to South America, Central America and Caribbean | South America to/from Central America and Caribbean |
|------|------------------------|-----------------------------------|---------------------|-------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|
| 82   | 269                    | 268                               | 204                 | 149                                 | 260                                                           | 213                                                 |
| 83   | 268                    | 295                               | 203                 | 185                                 | 265                                                           | 207                                                 |
| 84   | 271                    | 292                               | 190                 | 173                                 | 230                                                           | 197                                                 |
| 85   | 264                    | 294                               | 189                 | 168                                 | 239                                                           | 195                                                 |
| 86   | 265                    | 290                               | 199                 | 186                                 | 274                                                           | 204                                                 |
| 87   | 287                    | 306                               | 217                 | 179                                 | 282                                                           | 194                                                 |
| 88   | 285                    | 290                               | 207                 | 176                                 | 256                                                           | 189                                                 |
| 89   | 287                    | 294                               | 208                 | 188                                 | 262                                                           | 191                                                 |
| 90   | 291                    | 282                               | 211                 | 189                                 | 256                                                           | 205                                                 |
| 91   | 256                    | 289                               | 205                 | 189                                 | 239                                                           | 196                                                 |
| 92   | 297                    | 293                               | 205                 | 157                                 | 228                                                           | 189                                                 |
| 93   | 287                    | 293                               | 197                 | 168                                 | 223                                                           | 174                                                 |

|                  |     |     |     |     |     |     |
|------------------|-----|-----|-----|-----|-----|-----|
| 94               | 278 | 293 | 199 | 197 | 241 | 196 |
| 95               | 280 | 300 | 185 | 187 | 235 | 183 |
| 96               | 246 | 287 | 177 | 146 | 229 | 192 |
| Forecast to 2003 | 250 | 295 | 180 | 140 | 240 | 190 |

**Table II-3. Traffic forecast 1996-2003****Passengers**

| Region                                                   | Base year 1996* (millions) | Avg. annual growth (per cent) | Forecast 2003 (millions) |
|----------------------------------------------------------|----------------------------|-------------------------------|--------------------------|
| Southern South America                                   | 2.39                       | 5.10 (1)                      | 3.39                     |
| Upper South America/Caribbean                            | 2.30                       | 5.00 (1)                      | 3.24                     |
| Intra South America                                      | 3.45                       | 4.90 (1)                      | 4.82                     |
| Intra Central America/Caribbean                          | 3.16                       | 5.80 (2)                      | 4.69                     |
| North America to South and Central America and Caribbean | 34.20                      | 6.50 (3)                      | 53.15                    |
| South America to/from Central America/Caribbean          | 0.90                       | 4.50 (3)                      | 1.22                     |

\* Preliminary figures

(1) CAR-SAM TFG

(2) IATA

(3) IATA + ICAO

**Movements**

| Region                                                   | Load factor |      | Avg. seats |      | Base year 1996* | Forecast 2003 | Avg. annual growth (per cent) |
|----------------------------------------------------------|-------------|------|------------|------|-----------------|---------------|-------------------------------|
|                                                          | 1996        | 2003 | 1996       | 2003 |                 |               |                               |
| Southern South America                                   | 0.69        | 0.74 | 246        | 250  | 14 566          | 18 300        | 3.31                          |
| Upper South America/Caribbean                            | 0.76        | 0.76 | 287        | 295  | 10 383          | 14 435        | 4.82                          |
| Intra South America                                      | 0.58        | 0.60 | 177        | 180  | 37 579          | 44 650        | 2.49                          |
| Intra Central America/Caribbean                          | 0.58        | 0.60 | 146        | 140  | 43 642          | 55 822        | 3.58                          |
| North America to South and Central America and Caribbean | 0.62        | 0.65 | 229        | 240  | 250 878         | 340 682       | 4.47                          |
| South America to/from Central America/Caribbean          | 0.62        | 0.65 | 192        | 190  | 8 470           | 9 917         | 2.28                          |



**Table II-4. Southern South America  
Top 25 city-pairs ranked according to 1996 departures**

| Rank | Cities                     | 1996<br>Departures | 2003<br>Departures |
|------|----------------------------|--------------------|--------------------|
| 1    | Buenos Aires – Madrid      | 1 501              | 1 949              |
| 2    | Frankfurt – Sao Paulo      | 1 445              | 1 876              |
| 3    | Rio de Janeiro – Madrid    | 1 285              | 1 668              |
| 4    | Frankfurt – Rio de Janeiro | 1 047              | 1 359              |
| 5    | Paris – Sao Paulo          | 1 015              | 1 318              |
| 6    | Sao Paulo – Lisbon         | 798                | 1 036              |
| 7    | Sao Paulo – Zurich         | 761                | 988                |
| 8    | Sao Paulo – London         | 506                | 657                |
| 9    | Madrid – Recife            | 502                | 652                |
| 10   | Rome-Rio de Janeiro        | 497                | 645                |
| 11   | Rio de Janeiro – Lisbon    | 496                | 644                |
| 12   | Lisbon – Recife            | 481                | 624                |
| 13   | Buenos Aires – Rome        | 479                | 622                |
| 14   | Rome – Sao Paulo           | 442                | 574                |
| 15   | Paris – Buenos Aires       | 405                | 526                |
| 16   | Rio de Janeiro – Porto     | 398                | 517                |
| 17   | Rio de Janeiro – London    | 386                | 501                |
| 18   | Sao Paulo – Madrid         | 381                | 495                |
| 19   | Amsterdam – Rio de Janeiro | 377                | 489                |
| 20   | Sao Paulo – Porto          | 324                | 421                |
| 21   | Buenos Aires – London      | 316                | 410                |
| 22   | Sao Paulo – Johannesburg   | 310                | 402                |
| 23   | Buenos Aires – Frankfurt   | 306                | 397                |
| 24   | Cape Town – Buenos Aires   | 292                | 379                |
| 25   | Paris – Rio de Janeiro     | 273                | 354                |
|      | OTHERS                     | 3 456              | 4 489              |
|      | TOTAL ALL CITY-PAIRS       | 18 479             | 23 992             |

*Note.*— South Atlantic route group involves a total of 71 city-pairs.

**Table II-5. Upper South America and Caribbean  
Top 25 city-pairs ranked according to 1996 departures**

| Rank | Cities                  | 1996<br>Departures | 2003<br>Departures |
|------|-------------------------|--------------------|--------------------|
| 1    | Fort-de-France – Paris  | 1 480              | 2 028              |
| 2    | Paris – Pointe-a-Pitre  | 1 352              | 1 852              |
| 3    | Paris – Mexico          | 1 103              | 1 511              |
| 4    | Madrid – Mexico         | 882                | 1 208              |
| 5    | Caracas – Madrid        | 843                | 1 155              |
| 6    | Madrid – Santo Domingo  | 809                | 1 108              |
| 7    | Havana – Madrid         | 712                | 975                |
| 8    | Cayenne – Paris         | 697                | 955                |
| 9    | Amsterdam – Curacao     | 613                | 840                |
| 10   | Caracas – Frankfurt     | 570                | 781                |
| 11   | Bogota – Paris          | 535                | 733                |
| 12   | Caracas – Rome          | 515                | 706                |
| 13   | Amsterdam – Caracas     | 505                | 692                |
| 14   | Frankfurt – Mexico      | 501                | 686                |
| 15   | Amsterdam – Paramaribo  | 438                | 600                |
| 16   | Caracas – Paris         | 417                | 571                |
| 17   | Amsterdam – Mexico      | 414                | 567                |
| 18   | Barbados – London (LHR) | 411                | 563                |
| 19   | Barbados – London (LGW) | 406                | 556                |
| 20   | Bogota – Madrid         | 390                | 534                |
| 21   | Amsterdam – Aruba       | 385                | 527                |
| 22   | Bogota – Frankfurt      | 363                | 497                |
| 23   | Antigua – London        | 343                | 470                |
| 24   | Caracas – London        | 311                | 426                |
|      | OTHER                   | 11 337             | 15 537             |
|      | TOTAL ALL CITY-PAIRS    | 26 711             | 36 597             |

*Note.— Mid-Atlantic route group involves a total of 168 city-pairs.*

**Table II-6. Intra South America  
Top 25 city-pairs ranked according to 1996 departures**

| Rank | Cities                              | 1996<br>Departures | 2003<br>Departures |
|------|-------------------------------------|--------------------|--------------------|
| 1    | Rio de Janeiro – Sao Paulo          | 16 145             | 19 191             |
| 2    | Buenos Aires (EZE) – Santiago       | 7 338              | 8 723              |
| 3    | Buenos Aires (AEP) – Montevideo     | 6 506              | 7 734              |
| 4    | Buenos Aires – Sao Paulo            | 6 080              | 7 227              |
| 5    | Bogota – Quito                      | 4 418              | 5 252              |
| 6    | Bogota – Caracas                    | 3 808              | 4 527              |
| 7    | Guayaquil – Quito                   | 2 935              | 3 489              |
| 8    | Buenos Aires (EZE) – Montevideo     | 2 587              | 3 075              |
| 9    | Lima – Quito                        | 2 534              | 3 012              |
| 10   | Buenos Aires – Rio de Janeiro       | 2 429              | 2 887              |
| 11   | Lima – Santiago                     | 2 423              | 2 880              |
| 12   | Sao Paulo – Montevideo              | 2 409              | 2 864              |
| 13   | Buenos Aires – Porto Alegre         | 2 287              | 2 719              |
| 14   | Asuncion – Buenos Aires             | 2 156              | 2 563              |
| 15   | La Paz – Santa Cruz                 | 2 069              | 2 459              |
| 16   | Mendoza – Santiago                  | 1 800              | 2 140              |
| 17   | Asuncion – Sao Paulo                | 1 740              | 2 068              |
| 18   | Sao Paulo – Santiago                | 1 602              | 1 904              |
| 19   | Buenos Aires (AEP) – Punta del Este | 1 552              | 1 845              |
| 20   | Florianopolis – Sao Paulo           | 1 530              | 1 819              |
| 21   | Belo Horizonte – Sao Paulo          | 1 384              | 1 645              |
| 22   | Arica – Iquique                     | 1 276              | 1 517              |
| 23   | Montevideo – Porto Alegre           | 1 268              | 1 507              |
| 24   | Bogota – Santo Domingo (STD)        | 1 249              | 1 485              |
| 25   | Buenos Aires – Lima                 | 1 237              | 1 470              |
|      | OTHERS                              | 58 848             | 69 950             |
|      | TOTAL ALL CITY-PAIRS                | 139 610            | 165 952            |

*Note.— Local South America route group involves a total of 221 city-pairs.*

**Table II-7. Between and within Central America and the Caribbean  
Top 25 city-pairs ranked according to 1996 departures**

| Rank | Cities                           | 1996<br>Departures | 2003<br>Departures |
|------|----------------------------------|--------------------|--------------------|
| 1    | Saint Barthelemy – Saint Maarten | 18 144             | 23 241             |
| 2    | Antigua – Montserrat             | 12 601             | 16 141             |
| 3    | Beef Island – San Juan           | 11 855             | 15 185             |
| 4    | Guatemala – San Salvador         | 8 661              | 11 094             |
| 5    | Barbados – Saint Lucia           | 6 308              | 8 080              |
| 6    | Santo Domingo – San Juan         | 6 255              | 8 012              |
| 7    | Kingston – Montego Bay           | 6 084              | 7 793              |
| 8    | Panama City – San Jose           | 5 526              | 7 078              |
| 9    | Beef Island – Virgin Gorda       | 5 303              | 6 793              |
| 10   | Fort-de-France – Saint Lucia     | 4 851              | 6 214              |
| 11   | Saint Kitts – Saint Maarten      | 4 614              | 5 910              |
| 12   | Managua – San Jose               | 4 447              | 5 696              |
| 13   | Antigua – Dominica               | 4 011              | 5 138              |
| 14   | Managua – San Salvador           | 3 956              | 5 067              |
| 15   | Antigua – Saint Kitts            | 3 654              | 4 680              |
| 16   | Barbados – Saint Vincent         | 3 597              | 4 607              |
| 17   | Aruba – Curacao                  | 3 555              | 4 554              |
| 18   | Dominica – Pointe-a-Pitre        | 3 536              | 4 529              |
| 19   | San Juan – Saint Thomas          | 3 341              | 4 280              |
| 20   | San Salvador – San Jose          | 3 104              | 3 976              |
| 21   | Anguilla – Saint Maarten         | 2 986              | 3 825              |
| 22   | San Juan – Saint Maarten         | 2 950              | 3 779              |
| 23   | San Juan – Saint Kitts           | 2 936              | 3 761              |
| 24   | Antigua – Pointe-a-Pitre         | 2 925              | 3 747              |
| 25   | Dominica – Saint Lucia           | 2 897              | 3 711              |
|      | OTHERS                           | 143 429            | 183 725            |
|      | TOTAL ALL CITY-PAIRS             | 281 526            | 360 616            |

*Note.— Between and within Central America and the Caribbean route group involves a total of 256 city-pairs.*

**Table II-8. Between North America and Caribbean/Central America/South America  
Top 25 city-pairs ranked according to 1996 departures**

| Rank | Cities                            | 1996<br>Departures | 2003<br>Departures |
|------|-----------------------------------|--------------------|--------------------|
| 1    | Miami – Nassau                    | 21 282             | 28 962             |
| 2    | Freeport – Miami                  | 9 013              | 12 265             |
| 3    | Caracas – Miami                   | 6 807              | 9 263              |
| 4    | Fort Lauderdale – Freeport        | 6 079              | 8 273              |
| 5    | Sao Paulo – Miami                 | 5 277              | 7 181              |
| 6    | Grand Cayman – Miami              | 5 025              | 6 838              |
| 7    | Miami – San Jose                  | 4 944              | 6 728              |
| 8    | Miami – Paradise Island           | 4 574              | 6 225              |
| 9    | Fort Lauderdale – Nassau          | 4 404              | 5 993              |
| 10   | Marsh Harbour – Miami             | 4 359              | 5 932              |
| 11   | Montego Bay – Miami               | 4 010              | 5 457              |
| 12   | Kingston – Miami                  | 3 909              | 5 320              |
| 13   | Fort Lauderdale – Marsh Harbour   | 3 814              | 5 190              |
| 14   | Bogota – Miami                    | 3 807              | 5 181              |
| 15   | Fort Lauderdale – Paradise Island | 3 739              | 5 088              |
| 16   | Miami – Santo Domingo             | 3 660              | 4 981              |
| 17   | New York (JFK) – Santo Domingo    | 3 650              | 4 967              |
| 18   | Miami – Port-au-Prince            | 3 526              | 4 798              |
| 19   | Lima – Miami                      | 3 462              | 4 711              |
| 20   | Miami – Panama City               | 3 340              | 4 545              |
| 21   | Sao Paulo – New York (JFK)        | 3 331              | 4 533              |
| 22   | Guatemala – Miami                 | 3 251              | 4 424              |
| 23   | Miami – Santiago                  | 3 183              | 4 332              |
| 24   | Fort Lauderdale – Treasure Cay    | 3 038              | 4 134              |
| 25   | Buenos Aires – Miami              | 3 035              | 4 130              |
|      | OTHERS                            | 137 691            | 187 375            |
|      | TOTAL ALL CITY-PAIRS              | 262 210            | 356 826            |

*Note.*— Between North America and Caribbean/Central America/South America route group involves a total of 274 city-pairs.

**Table II-9. Between Central America/Caribbean and South America  
Top 25 city-pairs ranked according to 1996 departures**

| Rank | Cities                          | 1996<br>Departures | 2003<br>Departures |
|------|---------------------------------|--------------------|--------------------|
| 1    | Aruba – Las Piedras             | 3 487              | 4 089              |
| 2    | Caracas – Curacao               | 2 982              | 3 497              |
| 3    | Georgetown – Port of Spain      | 2 116              | 2 481              |
| 4    | Caracas – Panama City           | 1 944              | 2 279              |
| 5    | Bogota – Panama City            | 1 892              | 2 218              |
| 6    | Cali – Panama City              | 1 587              | 1 861              |
| 7    | Barbados – Georgetown           | 1 395              | 1 636              |
| 8    | Guayaquil – Panama City         | 1 230              | 1 442              |
| 9    | Lima – Mexico                   | 1 054              | 1 236              |
| 10   | Medellin – Panama City          | 1 046              | 1 226              |
| 11   | Aruba – Caracas                 | 948                | 1 112              |
| 12   | Caracas – Habana                | 886                | 1 039              |
| 13   | San Andres Island – Panama City | 864                | 1 013              |
| 14   | Curacao – Coro                  | 856                | 1 004              |
| 15   | Caracas – San Juan              | 850                | 997                |
| 16   | San Andres Island – San Jose    | 825                | 967                |
| 17   | Caracas – Port of Spain         | 790                | 926                |
| 18   | Aruba – Bogota                  | 765                | 897                |
| 19   | Bogota – Mexico                 | 734                | 861                |
| 20   | Curacao – Las Piedras           | 732                | 858                |
| 21   | Aruba – Maracaibo               | 732                | 858                |
| 22   | Cayenne – Fort-de-France        | 730                | 856                |
| 23   | Lima – Panama City              | 718                | 842                |
| 24   | Aruba – Barranquilla            | 712                | 835                |
| 25   | Curacao – Valencia              | 710                | 833                |
|      | OTHERS                          | 12 759             | 14 955             |
|      | TOTAL ALL CITY-PAIRS            | 43 344             | 50 818             |

*Note.— Between Central America/Caribbean and South America route group involves a total of 101 city-pairs.*

Table II-10. Chile FIR

| Country of origin | Group |       |   |    |    |      |      |      |      |       |               |
|-------------------|-------|-------|---|----|----|------|------|------|------|-------|---------------|
|                   | 1     | 2     | 3 | 4  | 5  | A310 | B747 | B757 | B767 | Other | Total general |
| K                 |       |       |   | 1  | 4  |      |      |      | 37   |       | 42            |
| M                 | 7     |       |   |    |    |      |      |      | 11   | 1     | 19            |
| S                 | 53    | 1 285 | 4 | 19 | 7  | 7    | 58   | 41   | 157  | 366   | 1 997         |
| T                 |       |       |   | 2  |    |      |      |      |      |       | 2             |
| Z                 |       |       |   |    |    |      |      |      |      | 2     | 2             |
| Blank             |       | 1     |   |    |    |      |      |      |      |       | 1             |
| Total general     | 60    | 1 286 | 4 | 22 | 11 | 7    | 58   | 41   | 205  | 369   | 2 063         |

Table II-11. Santa Maria FIR

| Country of origin | Group |    |     |    |      |      |      |      |      |      |       |               |
|-------------------|-------|----|-----|----|------|------|------|------|------|------|-------|---------------|
|                   | 1     | 2  | 4   | 5  | A300 | A310 | B747 | B757 | B767 | CONC | Other | Total general |
| B                 |       |    |     |    |      |      |      | 3    |      |      |       | 3             |
| C                 |       | 1  | 5   | 3  |      | 1    | 3    |      | 2    |      | 6     | 21            |
| D                 |       |    | 3   |    |      |      |      |      |      |      |       | 3             |
| E                 | 2     | 8  | 47  |    |      | 4    | 23   | 9    | 35   | 4    | 4     | 136           |
| F                 |       |    | 1   |    |      |      | 1    |      |      |      |       | 2             |
| G                 | 5     | 1  | 3   |    |      | 5    | 11   | 9    |      |      | 2     | 36            |
| K                 | 4     | 2  | 47  | 14 | 1    | 22   | 89   | 17   | 114  |      | 24    | 334           |
| L                 | 10    | 51 | 77  | 13 |      | 54   | 67   | 27   | 59   | 1    | 57    | 416           |
| M                 | 5     | 2  | 35  | 8  |      | 16   | 22   | 6    | 103  |      |       | 197           |
| S                 | 2     |    | 14  | 8  |      | 5    | 18   | 2    | 26   |      |       | 75            |
| T                 | 1     | 1  | 77  | 1  | 1    | 1    | 60   |      | 17   | 5    | 8     | 172           |
| Total general     | 29    | 66 | 309 | 47 | 2    | 108  | 294  | 73   | 356  | 10   | 101   | 1 395         |

Table II-12. Brasilia FIR

| Country of origin | Group |     |    |     |    |      |      |      |      |      |       | Total general |
|-------------------|-------|-----|----|-----|----|------|------|------|------|------|-------|---------------|
|                   | 1     | 2   | 3  | 4   | 5  | A300 | A310 | B747 | B757 | B767 | Other |               |
| C                 |       |     |    |     |    |      |      |      |      | 7    |       | 7             |
| E                 |       |     |    | 14  | 11 |      |      | 19   |      |      | 3     | 47            |
| F                 |       |     |    |     |    |      |      | 2    |      |      |       | 2             |
| G                 | 2     |     |    | 8   |    |      |      | 11   | 1    |      | 1     | 23            |
| K                 |       |     |    | 63  | 13 |      | 5    | 26   | 2    | 121  | 1     | 231           |
| L                 |       |     |    | 32  | 13 |      |      | 40   |      | 21   | 1     | 107           |
| M                 | 2     |     |    |     |    |      | 4    | 1    |      | 7    | 1     | 15            |
| S                 | 29    | 463 | 81 | 42  | 5  | 11   | 15   | 36   | 9    | 55   | 389   | 1 135         |
| T                 | 6     |     |    | 3   |    |      |      | 2    | 1    | 2    | 3     | 17            |
| Total general     | 39    | 463 | 81 | 162 | 42 | 11   | 24   | 137  | 13   | 213  | 399   | 1 584         |

Table II-13. Recife FIR

| Country of origin | Group |   |     |    |      |      |      |      |      |       | Total general |
|-------------------|-------|---|-----|----|------|------|------|------|------|-------|---------------|
|                   | 1     | 2 | 4   | 5  | A300 | A310 | B747 | B757 | B767 | Other |               |
| D                 |       |   |     |    |      | 2    |      |      |      |       | 2             |
| E                 |       |   | 18  | 8  |      |      | 18   |      | 2    |       | 46            |
| G                 | 7     | 3 | 6   |    |      |      | 15   | 1    |      | 5     | 37            |
| L                 | 1     |   | 32  | 13 |      | 3    | 32   |      | 22   | 2     | 105           |
| S                 | 9     | 1 | 56  | 22 | 1    | 4    | 65   |      | 29   | 7     | 194           |
| Total general     | 17    | 4 | 112 | 43 | 1    | 9    | 130  | 1    | 53   | 14    | 384           |

**Table II-14. Mexico FIR**

| Country of origin | Group |       |    |    |    |      |      |      |      |      |       |               |
|-------------------|-------|-------|----|----|----|------|------|------|------|------|-------|---------------|
|                   | 1     | 2     | 3  | 4  | 5  | A300 | A310 | B747 | B757 | B767 | Other | Total general |
| C                 |       | 23    |    | 4  | 2  |      | 1    | 2    | 11   |      | 2     | 45            |
| E                 |       |       |    |    |    |      |      | 15   |      |      |       | 15            |
| K                 | 28    | 598   | 15 | 5  |    | 5    | 1    | 16   | 133  | 35   | 159   | 995           |
| L                 |       | 4     |    |    | 10 |      |      |      | 1    | 10   |       | 25            |
| M                 | 37    | 733   | 11 | 15 | 14 | 6    | 2    | 39   | 165  | 60   | 205   | 1 287         |
| S                 | 2     | 4     |    | 5  |    |      |      | 13   | 10   | 17   | 3     | 54            |
| T                 | 1     |       |    |    |    |      |      |      |      |      | 2     | 3             |
| X                 |       |       |    |    |    |      |      |      |      |      | 1     | 1             |
| Total general     | 68    | 1 362 | 26 | 29 | 26 | 11   | 4    | 85   | 320  | 122  | 372   | 2 425         |

**Table II-15. Aircraft categories**

| Groups | CAR/SAM aircraft categories                                                                                                                                                                                                                          |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | DC8H, B707H, IL62H, B707, DC8, DC8F, DC8S, IL62, IL76                                                                                                                                                                                                |
| 2      | B737, B73M, B737M, 737M, B73AM, B73AN, B73BM, B73BN, B737H, B73JM, B73SM, B737SM, B73SM, B73A, B73B, B727, B727M, A320, A320M, EA32M, EA320M, A320M, A32M, EA32H, EA32, MD80, MD80M, MD82M, MD83M, MD87M, MD88M, MD88, DC9M, DC9, IL18M, TU54M, IL96 |
| 3      | F100M, F100L, F100, RK100                                                                                                                                                                                                                            |
| 4      | MD11H, DC10H, L101H, DC10, L101, MD11, KC10                                                                                                                                                                                                          |
| 5      | A340, A340H, EA34H, B777, A34D, EA34, EA340                                                                                                                                                                                                          |
| CONC   | CONC                                                                                                                                                                                                                                                 |
| B747   | B747, B747H, B74BH, B74FH, B74AH, B74BM, B74H, B74A, B74B, B74F                                                                                                                                                                                      |
| B757   | B757M, B757BM, B757                                                                                                                                                                                                                                  |
| B767   | B767H, B767M, B767                                                                                                                                                                                                                                   |
| A300   | A300H, A300M, EA30H, EA3620M, A300, EA30                                                                                                                                                                                                             |
| A310   | A310H, EA31H, A310, EA31                                                                                                                                                                                                                             |

**Table II-16. International passenger traffic within subregions**  
(In thousands)

| Within each subregion | 1985    | 1996    | Annual rate of growth from 1985 to 1996 | Year 2001 forecast | Annual rate of growth from 1996 to 2001 | Year 2011 forecast | Annual rate of growth from 2001 to 2011 |
|-----------------------|---------|---------|-----------------------------------------|--------------------|-----------------------------------------|--------------------|-----------------------------------------|
| Caribbean             | 2 178.2 | 3 855.9 | 5.3%                                    | 4 625.2            | 3.7%                                    | 6 442.2            | 3.4%                                    |
| Central America       | 3 355   | 7 102   | 7.1%                                    | 9 149              | 5.2%                                    | 1 296.4            | 3.5%                                    |
| South America         | 1 396.8 | 3 707.2 | 9.3%                                    | 5 225.1            | 7.1%                                    | 9 404.2            | 6.1%                                    |
| North America         | 3 002   | 7 705   | 8.9%                                    | 9 441              | 4.1%                                    | 1 943.7            | 7.5%                                    |

*Note.— Subregions are described as follows:*

*Caribbean* — Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Bermuda, Cayman Islands, Cuba, Dominica, Dominican Republic, French Antilles, Grenada, Haiti, Jamaica, Montserrat, Netherlands Antilles, Puerto Rico, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Is., Virgin Is. (United Kingdom) and Virgin Is. (United States).

*Central America* — Belize, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua and Panama.

*Lower South America* — Argentina, Brazil, Chile, Paraguay and Uruguay.

*Upper South America* — Bolivia, Colombia, Ecuador, French Guiana, Guyana, Peru, Suriname and Venezuela.

**Table II-17. International passenger traffic between subregions**

| Between subregions                      | 1985  | 1996  | Annual rate of growth from 1985 to 1996 | Year 2001 Forecast | Annual rate of growth from 1996 to 2001 | Year 2011 Forecast | Annual rate of growth from 2001 to 2011 |
|-----------------------------------------|-------|-------|-----------------------------------------|--------------------|-----------------------------------------|--------------------|-----------------------------------------|
| Caribbean/Central America               | 2 090 | 2 911 | 3.1%                                    | 4 036              | 6.5%                                    | 6 588              | 5.0%                                    |
| Caribbean/Lower South America           | 413   | 2 546 | 18.0%                                   | 3 903              | 8.9%                                    | 8 107              | 7.6%                                    |
| Caribbean/Upper South America           | 6 109 | 8 710 | 3.3%                                    | 1 143.4            | 5.6%                                    | 1 896.8            | 5.2%                                    |
| Central America/Lower South America     | 565   | 3 539 | 18.2%                                   | 5 925              | 10.9%                                   | 1 237              | 7.6%                                    |
| Central America/Upper South America     | 4 442 | 6 899 | 4.1%                                    | 8 809              | 5.0%                                    | 1 493.4            | 5.4%                                    |
| Lower South America/Upper South America | 5 150 | 1 060 | 6.8%                                    | 15 277             | 7.6%                                    | 3 054.9            | 7.2%                                    |

**Table II-18. International passenger traffic from/to the CAR/SAM region to/from other regions**

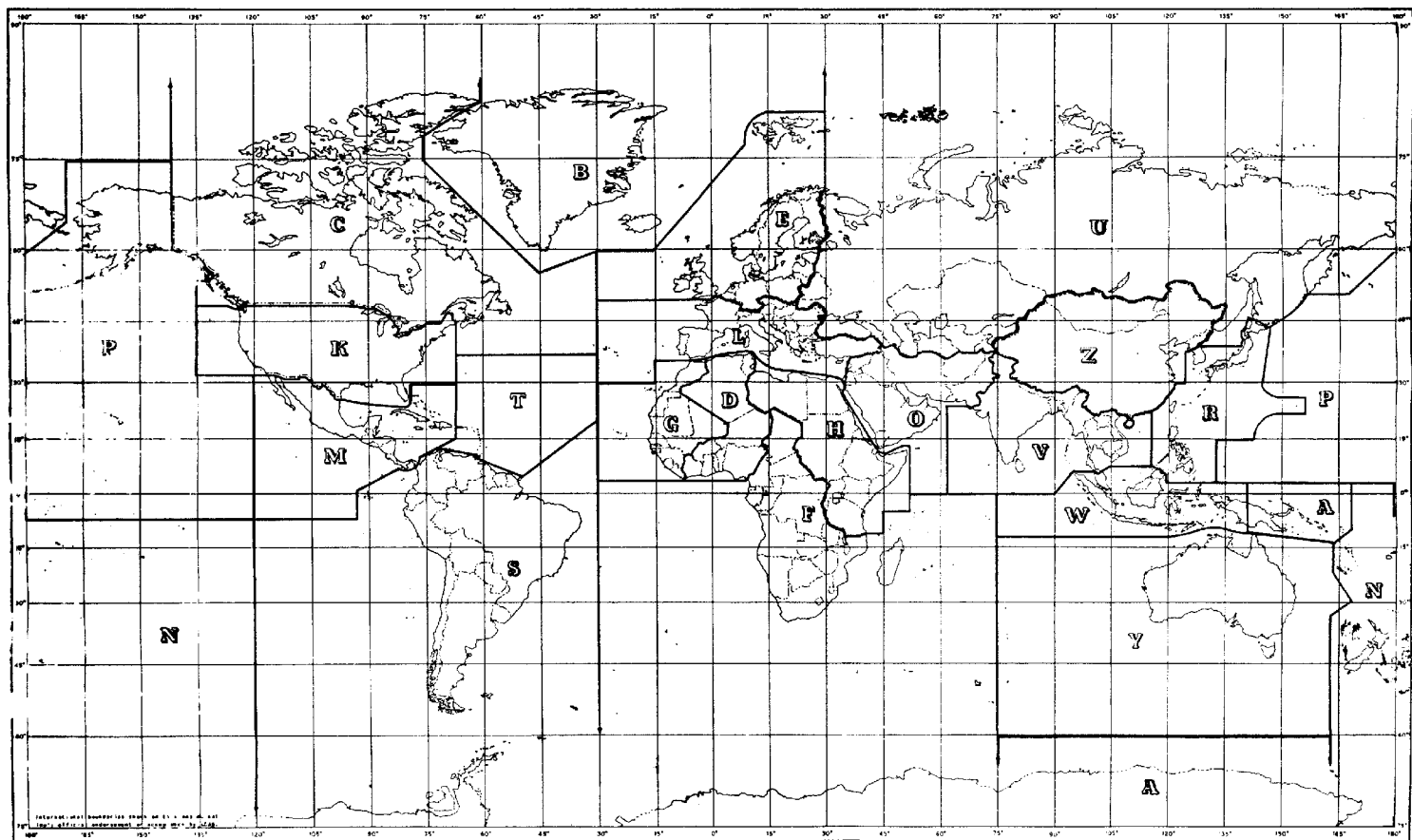
| From/to each subregion to a region |                     | 1985 actual<br>passenger<br>traffic in<br>thousands | 1996 actual<br>passenger<br>traffic in<br>thousands | Annual rate<br>of growth<br>from<br>1985 to 1996 | Year 2001<br>forecast<br>passenger<br>traffic in<br>thousands | Annual rate<br>of growth<br>from<br>1996 to 2001 | Year 2011<br>forecast<br>passenger<br>traffic in<br>thousands | Annual rate<br>of growth<br>from<br>2001 to 2011 |
|------------------------------------|---------------------|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------|
| Caribbean                          | Asia/Pacific        | 0                                                   | 0                                                   |                                                  | 0                                                             |                                                  | 0                                                             |                                                  |
| Caribbean                          | EUR/AFI/Middle East | 1 474                                               | 5 765                                               | 13.2%                                            | 8 296                                                         | 7.6%                                             | 15 176                                                        | 6.2%                                             |
| Caribbean                          | North America       | 12 580                                              | 18 495                                              | 3.6%                                             | 23 364                                                        | 4.8%                                             | 33 688                                                        | 3.7%                                             |
| Central America                    | Asia/Pacific        | 170                                                 | 300                                                 | 5.3%                                             | 810                                                           | 22.0%                                            | 2 380                                                         | 11.4%                                            |
| Central America                    | EUR/AFI/Middle East | 4 250                                               | 1 295                                               | 10.7%                                            | 1 863                                                         | 7.5%                                             | 3 201                                                         | 5.6%                                             |
| Central America                    | North America       | 7 218                                               | 14 780                                              | 6.7%                                             | 21 224                                                        | 7.5%                                             | 36 005                                                        | 5.4%                                             |
| Lower South America                | Asia/Pacific        | 760                                                 | 3 960                                               | 16.2%                                            | 8 020                                                         | 15.2%                                            | 1 997                                                         | 9.6%                                             |
| Lower South America                | EUR/AFI/Middle East | 1 299                                               | 3 131                                               | 8.3%                                             | 4 582                                                         | 7.9%                                             | 8 711                                                         | 6.6%                                             |
| Lower South America                | North America       | 1 019                                               | 3 911                                               | 13.0%                                            | 6 286                                                         | 10.0%                                            | 11 918                                                        | 6.6%                                             |
| Upper South America                | Asia/Pacific        | 30                                                  | 110                                                 | 12.5%                                            | 340                                                           | 25.3%                                            | 1 930                                                         | 19.0%                                            |
| Upper South America                | EUR/AFI/Middle East | 8 310                                               | 1 743                                               | 7.0%                                             | 2 277                                                         | 5.5%                                             | 4 035                                                         | 5.9%                                             |
| Upper South America                | North America       | 1 502                                               | 3 807                                               | 8.8%                                             | 5 245                                                         | 6.6%                                             | 8 406                                                         | 4.8%                                             |
| Total                              |                     | 26 444                                              | 53 364                                              | 6.6%                                             | 74 054                                                        | 6.8%                                             | 123 568                                                       | 5.3%                                             |

**Table II-19. Homogeneous areas and major traffic flows identified in the CAR/SAM regions**

| Homogeneous area (AH)                      | Traffic flows                                | FIR involved                                                                                                    | Type of area                      | Remarks                                                |
|--------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------|
| 1                                          | 2                                            | 3                                                                                                               | 4                                 | 5                                                      |
| Caribbean/South American Regions (CAR/SAM) |                                              |                                                                                                                 |                                   |                                                        |
| AH 1                                       | Buenos Aires – Santiago de Chile             | Ezeiza, Mendoza, Santiago                                                                                       | Low density Continental           | SAM intra-regional traffic flow                        |
|                                            | Buenos Aires – Sao Paulo/Rio de Janeiro      | Ezeiza, Montevideo, Curitiba, Brasilia                                                                          | Low density Continental           | SAM intra-regional traffic flow                        |
|                                            | Santiago de Chile – Sao Paulo/Rio de Janeiro | Santiago, Mendoza, Cordoba, Resistencia, Asuncion, Curitiba, Brasilia                                           | Low density Continental           | SAM intra-regional traffic flow                        |
|                                            | Sao Paulo/Rio de Janeiro – Europe            | Brasilia, Recife                                                                                                | Continental / Low density Oceanic | SAM/AFI/EUR inter-regional traffic flow                |
| AH 2                                       | Sao Paulo/Rio de Janeiro – Miami             | Brasilia, Manaus, Maiquetía, Curacao, Kingston, Santo Domingo, Port au Prince, Habana, Miami                    | Continental / Low density Oceanic | CAR/SAM/NAM inter- and intra-regional traffic flow     |
|                                            | Sao Paulo/Rio de Janeiro – New York          | Brasilia, Belem, Paramaribo, Georgetown, Piarco, Rochambeau, San Juan (New York)                                | Continental / Low density Oceanic | CAR/SAM/NAM/NAT inter- and intra-regional traffic flow |
| AH 3                                       | Sao Paulo/Rio de Janeiro – Lima              | Brasilia, Curitiba, La Paz, Lima                                                                                | Low density Continental           | SAM intra-regional traffic flow                        |
|                                            | Sao Paulo/Rio de Janeiro – Los Angeles       | Brasilia, Porto Velho, Bogota, Barranquilla, Panama, Central America, Merida, Mexico, Mazatlan (Los Angeles)    | Low density Continental           | CAR/SAM/NAM inter- and intra-regional traffic flow     |
|                                            | Mexico – North America                       | Mexico, Monterrey, Houston, Miami                                                                               | Continental / Low density Oceanic | CAR/NAM inter-regional traffic flow                    |
| AH4                                        | Santiago – Lima – Miami                      | Santiago, Antofagasta, Lima, Guayaquil, Bogota, Barranquilla, Panama, Kingston, Habana, Miami.                  | Continental / Low density Oceanic | CAR/SAM/NAM inter- and intra-regional traffic flow     |
|                                            | Buenos Aires – New York                      | Ezeiza, Resistencia, Asuncion, La Paz, Porto Velho, Manaus, Maiquetia, Curacao, Santo Domingo, Miami (New York) | Continental / Low density oceanic | CAR/SAM/NAM/NAT inter- and intra-regional traffic flow |

| Homogeneous area (AH)                      | Traffic flows                                     | FIR involved                                                                                    | Type of area                      | Remarks                                            |
|--------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------|
| 1                                          | 2                                                 | 3                                                                                               | 4                                 | 5                                                  |
| Caribbean/South American Regions (CAR/SAM) |                                                   |                                                                                                 |                                   |                                                    |
|                                            | Buenos Aires – Miami                              | Ezeza, Resistencia, Cordoba, La Paz, Porto Velho, Bogota, Barranquilla, Kingston, Habana, Miami | Continental / Low density Oceanic | CAR/SAM/NAM intra- and inter-regional traffic flow |
| AH 5                                       | North of South America – Europe                   | Guayaquil, Bogota, Maiquetia, Piarco (NAT-EUR)                                                  | Continental / Low density Oceanic | SAM/NAT/EUR inter-regional traffic flow            |
| AH 6                                       | Mexico – Europa                                   | Mexico, Merida, Habana, Miami (NAT-EUR)                                                         | Continental / Low density Oceanic | CAR/NAM/NAT/EUR inter-regional traffic flow        |
|                                            | Central America – Europe                          | Central America, Panama, Kingston, Port-au-Prince, Curacao, Santo Domingo, San Juan (EUR)       | Low density Oceanic               | CAR/NAT/EUR intra- and inter-regional traffic flow |
| AH 7                                       | Santiago – Lima – Los Angeles                     | Santiago, Antofagasta Lima, Guayaquil, Central America, Merida, Mexico, Mazatlan                | Low density Oceanic               | CAR/SAM/NAM intra- and inter-regional traffic flow |
| AH 8                                       | South America – South Africa                      | Ezeiza, Montevideo, Brasilia, Johannesburg (AFI)                                                | Low density Oceanic               | SAM/AFI inter-regional traffic flow                |
|                                            | Santiago de Chile – Easter Island – Papeete (PAC) | Santiago, Easter, Tahiti                                                                        | Low density Oceanic               | SAM/PAC inter-regional traffic flow                |

**Figure II-1. Index to Identifying Letters Assigned to Aeronautical Fixed Service Routing Areas**



## Part III

# AERODROME OPERATIONAL PLANNING (AOP) — FASID

### INTRODUCTION

1. The Standards, Recommended Practices and Procedures to be applied and related guidance material are as listed in paragraph 1, Part III — AOP of the CAR/SAM Basic ANP. The material in this part complements that contained Part I — BORPC of the Basic ANP and should be taken into consideration in the overall planning processes for the CAR/SAM region.

2. This part contains the details of the facilities and/or services to be provided to fulfill the basic requirements of the plan and/or as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. This element of the FASID, in conjunction with the CAR/SAM Basic ANP, is kept under constant review by GREPECAS in accordance with its schedule of management, in consultation with user and provider States and with the assistance of the ICAO NACC and SAM Regional Offices.

### AERODROME FACILITIES AND SERVICES

(FASID Table AOP 1)[CAR/SAM/3, Rec. 3/1]

3. Table AOP 1 shows the requirements for physical characteristics, radio and visual aids as well as other facilities and services to be provided at each aerodrome included in the CAR/SAM ANP. The explanation preceding Table AOP 1 provides a detailed description of the data included in the Table.

4. Pertinent information or comments on specific requirements or identification of particular issues affecting the

provision of a system and target dates for the implementation of a facility/service may be shown as “Remarks” (in italics) in the Table.

*Note.— When no information or requirement has been shown or agreed upon, the related entry(ies) in Table AOP 1 is(are) omitted.*

### RUNWAY SURFACE CONDITION INFORMATION

5. States should publish information on the runway surface friction characteristics such as skid-resistant treatment, etc., for the guidance of the operators. The runway friction characteristics should be maintained at acceptable levels, measured using continuous friction measuring equipment and the measured values published. Information on publishing runway surface characteristics as specified in Annex 14, Volume I, Section 2.9 are available in Annex 15 and *Airport Services Manual* (Doc 9137), Part 2.

### AERODROME EMERGENCY PLANNING

6. Every aerodrome shall establish a comprehensive aerodrome emergency plan and test the plan by carrying out full-scale emergency exercises every two years and partial exercises during the intervening period. Guidance on aerodrome emergency planning is available in *Airport Services Manual* (Doc 9137), Part 7.

## Table AOP 1 — Tableau AOP 1 — Tabla AOP 1

### PHYSICAL CHARACTERISTICS, RADIO AND VISUAL AIDS AT AERODROMES

#### EXPLANATION OF THE TABLE

Table AOP 1 shows the operational requirements for physical characteristics, radio navigation aids, visual aids and runway visual range (RVR) at each aerodrome.

Columns 5 to 9 for physical characteristics relate to runways and taxiways. The physical characteristics of taxiways and aprons should be appropriate for the runways with which they are related.

Columns 4 and 10 to 13 show the requirements for air traffic services, radio and visual aids and reporting the RVR for the runway with which the entry is associated. These aids are generally indicated by “x” and the “x” indicates that the aid should be in accordance with the type of runway (Column 7). If the aid is different from the type of runway, then a “1”, “2” or “3” is entered to indicate Category I, II or III respectively.

#### *Column*

- 1 Name of the city and aerodrome, preceded by the location locator.

Designation of the aerodrome as:

|     |   |                                                         |
|-----|---|---------------------------------------------------------|
| RS  | — | international scheduled air transport, regular use;     |
| RNS | — | international non-scheduled air transport, regular use; |
| RG  | — | international general aviation, regular use; and        |
| AS  | — | international scheduled air transport, alternate use.   |

When an aerodrome is needed for more than one type of use, normally only the use highest on the above list is shown. An exception is that AS aerodromes are identified even when they are required for regular use by international non-scheduled air transport or international general aviation, as some specifications in Annex 14, Volume I, place special requirements on these aerodromes.

Example 1 — An aerodrome required for both RS and RG use would only be shown as RS in the list.

Example 2 — An aerodrome required for both RS and AS use would only be shown as RS in the list. However, Table AOP 1 may still show specific requirements for AS use.

- 2 Alternate aerodromes for the regular aerodromes listed in Column 1, or if the aerodrome listed in Column 1 serves only as an alternate, the regular aerodromes for which it is an alternate. The aerodrome is shown by listing the name of the city, preceded by the location indicator.

- 3 Required Rescue and Fire Fighting Service (RFF):

The required level of protection expressed by means of an Aerodrome RFF Category Number, in accordance with Annex 14, Volume I, Chapter 9, Section 9.2.

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- 4 Air traffic services
- APP — Approach control service should be provided (shown by an “x”) and when an “R” is shown, it indicates that the service should be provided with radar.
- TWR — Aerodrome control tower should be provided (shown by an “x”) and when an “R” is shown, it indicates that the service should be provided with an aerodrome surface movement radar.
- ATIS — Automatic terminal information service should be provided and shown by an “x”.
- AFIS — Aerodrome flight information service should be provided and shown by an “x”.
- 5 Runway designation numbers
- 6 Aerodrome reference code for aerodrome characteristics expressed in accordance with Annex 14, Volume I, Chapter 1.
- 7 Type of each of the runways to be provided. The types of runways, as defined in Annex 14, Volume I, Chapter 1, are:
- NINST — non-instrument runway;  
NPA — non-precision approach runway;  
PA1 — precision approach runway, Category I;  
PA2 — precision approach runway, Category II;  
PA3 — precision approach runway, Category III.
- 8 Taxiway (TWY) to be provided to threshold of associated runway.
- 9 Required runway length expressed in terms of a balanced field length. In planning, account is taken of local conditions. If the requirement for alternate use is more critical, the aircraft type and runway length required are also indicated below the abbreviation “AS”.
- Critical aircraft for pavement strength and required pavement strength expressed as the all-up mass in thousands of kilograms. The operational mass of an aircraft, such as the A3XX, B747 and MD11, which may have a bearing on the design of culverts, cable ducts, bridge overpasses, etc., is also shown. If the aircraft requiring the aerodrome for alternate use is more critical, the aircraft type and runway strength required are also indicated below the abbreviation “AS”.
- Note 1.— A specific aircraft model based on the best available sources of information should be selected for planning runway length as this requirement is particularly affected by aircraft model differences. Aircraft models should thus be reviewed carefully to see that the correct one is used in determining the aerodrome characteristics. The Air Navigation Commission has directed that RAN meetings provide in the plan as realistic figures as possible on runway length and pavement strength requirements at individual aerodromes.*
- Note 2.— For international general aviation aerodromes, when there is no requirement for the runway to be paved, the pavement strength may be shown as “UNPAV”.*
- Note 3.— Should a requirement for more than one runway be indicated for an aerodrome, the lengths of the secondary runways should be planned as appropriate. A specification concerning the lengths of such runways will be found in Annex 14, Volume I, Chapter 3, 3.1.7.*
- Note 4.— When the length or pavement strength is not a current requirement, the year in which it will be required is entered.*
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- 10 Radio navigation aids (approach and landing);
- ILS — Instrument landing system, shown against the runway to be served and indicated by an “x” if the ILS is the same category as the runway type (Column 7) or, if it is different, by a numeral 1, 2 or 3 to indicate a Facility Performance Category I, II or III, respectively. The addition of a “D” indicates that a distance measuring equipment (DME) should be provided, e.g. as a substitute for marker beacon components of the required ILS. An “\*” indicates that the ILS provides Category II signal quality, but without continuity of service provided by redundant equipment and automatic change-over.
  - VOR — Very high frequency omnidirectional radio range. An “x” indicates that the aid should be provided. The addition of a “D” indicates that a DME is associated with the required VOR facility.
  - NDB/L — Non-directional beacon, or locator. An “x” indicates that one of the aids should be provided.
  - GNSS — Global Navigation Satellite System, shown against the runway to be served and indicated by an “x” if the GNSS supports the same category as the runway type or, if it is different, by an appropriate designator followed by the letter G or S to indicate ground-based augmentation system (GBAS) or satellite-based augmentation system (SBAS), as appropriate.
- 11 Lighting aids
- PA — Precision approach lighting system, Category I, II or III shown by an “x” if the aid is the same category as the runway type (Column 7) or if it is different by the numeral 1, 2 or 3 against the runway to be served, to indicate the type of system required.
  - SA — Simple approach lighting system, shown by an “x” against the runway to be served.
  - VA — Visual approach slope indicator system, shown by an “L” or an “S” against the runway to be served. The letter “L” indicates that the system should be PAPI or T-VASIS (AT-VASIS) and the letter “S” indicates that the system should be PAPI (APAPI).
  - RWY — Runway edge, threshold and runway end lighting. An “x” indicates that these aids should be provided.
  - CLL — Runway centre line lighting, shown by an “x” against the runway to be served.
  - TDZ — Runway touchdown zone lighting, shown by an “x” against the runway to be served.
  - TE — Taxiway edge lighting. An “x” indicates that the aid should be provided. This requirement pertains to the entire aerodrome and only one entry is made when planning requirements for more than one runway are shown.
  - TC — Taxiway centre line lighting. An “x” indicates that this should be provided for the particular runway with which the entry is associated.
  - STB — Stop bars. An “x” indicates that stop bars should be provided for the runway with which the entry is associated.
  - B — Aerodrome or identification beacon. An “x” indicates that the aid should be provided. This requirement pertains to the entire aerodrome and only one entry is made.
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12 Marking aids

- DES — Runway designation marking, shown by an “x” against the runway to be served.
- CLM — Runway centre line marking. An “x” indicates that the aid should be provided.
- THR — Runway threshold marking, shown by an “x” against the runway to be served.
- TDZ — Runway touchdown zone marking, shown by an “x” against the runway to be served.
- SST — Runway side stripe marking. An “x” indicates that the aid should be provided.
- AMG — Aiming point marking, shown by an “x” against the runway to be served.
- TWY — Taxiway centre line and, where required, edge marking. An “x” indicates that the aid should be provided.
- HLD — Taxiway holding position marking (renamed Runway holding position marking in Amendment No. 3 to Annex 14, Volume I), shown by an “x” against the runway to be served. The pattern of the marking should conform to the provisions of Annex 14, Volume I, Section 5.2.9.

## 13 Runway visual range (RVR)

- TDZ — Observations should be provided representative of the touchdown zone.
  - MID — Observations should be provided representative of the middle of the runway.
  - END — Observations should be provided representative of the end portion of the runway.
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| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso                               | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                                                                                          | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |                   |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-----|-------------------|
|                                                                                         |                                                                                                                                                           |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     | TME<br>DIN<br>ZDD |
|                                                                                         |                                                                                                                                                           |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |
| 1                                                                                       | 2                                                                                                                                                         | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |     | 13                |
| <b>ANGUILLA<br/>(United Kingdom)</b><br>TQPF THE VALLEY/Wallblake,<br>Anguilla I.<br>RS | TNC Philipsburg<br>M Saint Johns<br>TAPA Saint Thomas<br>TIST                                                                                             | 5           |             | X           |                  |                  | 10<br>28                                                           | 3C       | NPA<br>NINS<br>T                                     |             | ATR72<br>ATR72                                                                                              | 1095<br>21                               |             | X                     |                  | X                                                | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |     |                   |
| <b>ANTIGUA AND BARBUDA</b><br>TAPA SAINT JOHNS/V.C.<br>Bird, Antigua I.<br>RS           | TKPK Basseterre<br>TBPB Bridgetown<br>SVMi Caracas<br>TFFF Fort-de-France<br>TRP Plymouth<br>M Pointe-à-Pitre<br>TFFR San Juan<br>TJSJ Vieux-Fort<br>TLPL | 9           | R           | X           |                  |                  | 07<br>25                                                           | 4E       | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 2774<br>385                              |             | XD                    | X                | X                                                | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X   |                   |
| <b>ARGENTINA</b><br>SABE BUENOS AIRES/<br>Aeroparque Jorge<br>Newbery<br>RS             | SAEZ Buenos Aires<br>SAC Córdoba<br>O Mar del Plata<br>SAZ Mendoza<br>M Montevideo<br>SAM Rosario<br>E<br>SUM<br>U<br>SAA<br>R                            | 7           | X           | X           | X                |                  | 13<br>31                                                           | 4D       | PA1<br>NINS<br>T                                     | X           | B757<br>B757                                                                                                | 2100<br>160                              | 2D          |                       |                  | X                                                | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X   |                   |
| SADD BUENOS AIRES/Don<br>Torcuato<br>RG                                                 |                                                                                                                                                           | 4           |             | X           |                  |                  | 16<br>34                                                           | 2B       | NINS<br>T<br>NINS<br>T                               | X           | LR35A<br>LR35A                                                                                              | 1100<br>20                               |             |                       |                  |                                                  | S<br>S | X                  | X               | X | X<br>X                                      | X<br>X         |                | X<br>X            |     |                   |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                    | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |              | R<br>F<br>F | ATS |   |   |  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |   |                   |    |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                           |                                                    |                                                                  |              |             |     |   |   |  | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     |   | TME<br>DIN<br>ZDD |    |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                           |                                                    |                                                                  |              |             |     |   |   |  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |   |                   |    |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                                                         |                                                    | 2                                                                |              | 3           | 4   |   |   |  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |     |   |                   | 13 |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SAEZ                                                      | BUENOS<br>AIRES/Ezeiza Ministro<br>Pistarini<br>RS | SGA                                                              | Asunción     | 9           | R   | X | X |  | 11                                                                 | 4E       | PA3<br>NPA                                           | X           | 13                                                                                                          | 3700                                     | 385         | XD                    | XD               |                                                  |        | X                  | L               | X | X                                           | X              | X              | X                 | X   | X | X                 | X  | X | X | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                           |                                                    | S                                                                | Buenos Aires |             |     |   |   |  | 17                                                                 |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |   |                   |    |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                               | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                   | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |                |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |                   |   |    |   |
|-----------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-----|-------------------|---|----|---|
|                                                           |                                                               |                                                                  |                                                                   |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y    | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     | TME<br>DIN<br>ZDD |   |    |   |
|                                                           |                                                               |                                                                  |                                                                   |             |             |             |                  |                  |                                                                    |          |                                                      |                |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |   |
| 1                                                         |                                                               | 2                                                                |                                                                   | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8              | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |     |                   |   | 13 |   |
| SASJ                                                      | JUJUY/Gobernador<br>Guzmán<br>RS                              | SCFA<br>SAR<br>E<br>SASA                                         | Antofagasta<br>Resistencia<br>Salta                               | 7           | X           | X           |                  |                  | 15<br>33                                                           | 4D       | NINS<br>T<br>PA1                                     | X              | B757<br>B757                                                                                                | 2950<br>160                              | X           | XD                    | X                |                                                  | X      | X                  | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |
| SAZM                                                      | MAR DEL PLATA/<br>Bgdier. Gral. B. de la<br>Colina<br>RG & AS | SABE<br>SAEZ<br>SUM<br>U                                         | Buenos Aires<br>Buenos Aires<br>Montevideo                        | 7           | R           | X           |                  |                  | 13<br>31                                                           | 4D       | PA1<br>NINS<br>T                                     | X              | B757<br>B757                                                                                                | 2200<br>118                              | 2D          | XD                    | X                |                                                  | X      |                    | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |
| SAME                                                      | MENDOZA/EI<br>Plumerillo<br>RS                                | SAEZ<br>SAC<br>O<br>SAZN<br>SCEL                                 | Buenos Aires<br>Córdoba<br>Nuequén<br>Santiago                    | 7           | R           | X           | X                |                  | 18<br>36                                                           | 4C       | NPA<br>PA1                                           | X              | MD80<br>MD80                                                                                                | 3015<br>93                               | X           | XD                    | X                |                                                  | X      | X                  | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |
|                                                           |                                                               |                                                                  |                                                                   | 9           |             |             |                  |                  | 4E                                                                 |          |                                                      | - AS -<br>B747 | 330                                                                                                         |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |   |
| SAZN                                                      | NEUQUÉN/Presidente<br>Perón<br>RNS & AS                       | SCIE<br>SCTE<br>SAZS                                             | Concepción<br>Puerto Montt<br>San C. de<br>Bariloche              | 7           | X           | X           |                  |                  | 08<br>26                                                           | 4C       | PA1<br>NINS<br>T                                     | X              | MD80<br>MD80                                                                                                | 2570<br>90                               | X           | XD                    | X                |                                                  | X      |                    | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |
| SARP                                                      | POSADAS/Libertador<br>Gral. D. José de San<br>Martín<br>RNS   | SAEZ<br>SAC<br>O<br>SAZN<br>SCEL                                 | Buenos Aires<br>Córdoba<br>Neuquén<br>Santiago                    | 6           | X           | X           |                  |                  | 01<br>19                                                           | 4C       | NPA<br>PA1                                           | X              | B737<br>B737                                                                                                | 2200<br>60                               | 2D          | XD                    | X                |                                                  | X      |                    | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |
| SARE                                                      | RESISTENCIA/Resiste<br>ncia<br>RNS & AS                       | SGA<br>S<br>SAEZ<br>SAC<br>O<br>SARI<br>SAA<br>R<br>SASA         | Asunción<br>Buenos Aires<br>Córdoba<br>Iguazú<br>Rosario<br>Salta | 9           | R           | X           |                  |                  | 03<br>21                                                           | 4C       | NINS<br>T<br>PA1                                     | X              | MD80<br>MD80                                                                                                | 2770<br>80                               | 2D          | XD                    | X                |                                                  | X      |                    | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |
| SAWG                                                      | RÍO GALLEGOS/Piloto<br>Civil N. Fernández<br>RS               | SAV<br>C<br>SCCI<br>SAW<br>H                                     | Comodoro<br>Rivadavia<br>Punta Arenas<br>Ushuaia                  | 9           | X           | X           |                  |                  | 07<br>25                                                           | 4E       | NPA<br>PA1                                           | X              | B747-200<br>B747-200                                                                                        | 3550<br>330                              | 2*          | XD                    | X                |                                                  | X      |                    | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |
| SAWE                                                      | RÍO GRANDE/Río<br>Grande<br>RNS & AS                          | SCCI<br>SAW<br>H                                                 | Punta Arenas<br>Ushuaia                                           | 7           | X           | X           |                  |                  | 07<br>25                                                           | 4C       | NINS<br>T<br>PA1                                     | X              | B737<br>B737                                                                                                | 2000<br>95                               | XD          | X                     | X                |                                                  | X      |                    | L<br>L          | X | X                                           | X              | X              | X                 | X   | X                 | X | X  | X |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                                   | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                 | R<br>F<br>F | ATS                                        |          |                                                      |             | Physical characteristics<br>French Text<br>Características físicas                                       |    |                        |   |              | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |        | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |
|-----------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------|-------------|--------------------------------------------|----------|------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------|----|------------------------|---|--------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|--------|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|
|                                                           |                                                                   |                                                                  |                                                                 |             |                                            |          |                                                      |             | Runway length/<br>Pavement strength<br>French Text<br>Longitud de pista/<br>Resistencia del<br>pavimento |    |                        |   |              | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B      | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |
|                                                           |                                                                   |                                                                  |                                                                 |             | Rwy<br>no.<br>French<br>T<br>Pista<br>núm. | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y |                                                                                                          |    |                        |   |              |                                          |             |                       |                  |                                                  |        |                    |                 |        |                                             |                |                |                   |        |                   |
| 1                                                         |                                                                   | 2                                                                |                                                                 | 3           | 4                                          |          |                                                      |             | 5                                                                                                        | 6  | 7                      | 8 | 9            |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |        |                                             | 12             |                |                   |        | 13                |
| SAAR                                                      | ROSARIO/Rosario<br>RS                                             | SAEZ<br>SAC<br>O<br>SAR<br>E                                     | Buenos Aires<br>Córdoba<br>Resistencia                          | 9           | X                                          | X        |                                                      |             | 01<br>19                                                                                                 | 4E | NINS<br>T<br>PA1       | X | B747<br>B747 | 3000<br>360                              | X           | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |
| SASA                                                      | SALTA/Salta<br>RS                                                 | SCFA<br>SASJ<br>SAR<br>E                                         | Antofagasta<br>Jujuy<br>Resistencia                             | 7           | X                                          | X        |                                                      |             | 01<br>19                                                                                                 | 4C | PA1<br>NINS<br>T       | X | B757<br>B757 | 3000<br>160                              | X           | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X      |                   |
| SAZS                                                      | SAN CARLOS DE<br>BARILOCHE/San<br>Carlos de Bariloche<br>RNS & AS | SAV<br>C<br>SAZN<br>SCTE                                         | Comodoro<br>Rivadavia<br>Neuquén<br>Puerto Montt                | 7           | R                                          | X        | X                                                    |             | 11<br>29                                                                                                 | 4C | NPA<br>PA1             | X | B737<br>B737 | 2348<br>95                               | 2D          | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X      |                   |
| SANT                                                      | TUCUMAN/Tte.<br>Benjamín Matienzo<br>RS                           | SASJ<br>SAR<br>E<br>SASA                                         | Jujuy<br>Resistencia<br>Salta                                   | 6           | X                                          | X        |                                                      |             | 01<br>19                                                                                                 | 4C | PA1<br>NINS<br>T       | X | B737<br>B737 | 2900<br>93                               | X           | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X      |                   |
| SAWH                                                      | USHUAIA/Malvinas<br>Argentinas<br>RNS & AS                        | SCCI<br>SAW<br>G<br>SAW<br>E                                     | Punta Arenas<br>Río Gallegos<br>Río Grande                      | 9           | X                                          | X        |                                                      |             | 07<br>25                                                                                                 | 4D | NPA<br>PA1             | X | B757<br>B757 | 2800<br>102                              | XD          | X                     |                  | X                                                | L<br>L | X                  | X               | X<br>X | X<br>X                                      | X<br>X         | X<br>X         | X                 |        |                   |
| ARUBA<br>(Netherlands)                                    |                                                                   |                                                                  |                                                                 |             |                                            |          |                                                      |             |                                                                                                          |    |                        |   |              |                                          |             |                       |                  |                                                  |        |                    |                 |        |                                             |                |                |                   |        |                   |
| TNCA                                                      | ORANJESTAD/Reina<br>Beatrix, Aruba I.<br>RS                       | SKB<br>Q<br>SVMI<br>TNCB<br>SVM<br>C<br>TNC<br>C                 | Barranquilla<br>Caracas<br>Kralendijk<br>Marcaibo<br>Willemstad | 9           | R                                          | X        |                                                      |             | 11<br>29                                                                                                 | 4E | PA1<br>NPA             | X | B747<br>B747 | 3500<br>370                              | 2*D         | XD                    |                  | X                                                | L<br>L | X                  | X               | X      | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X      |                   |
| BAHAMAS                                                   |                                                                   |                                                                  |                                                                 |             |                                            |          |                                                      |             |                                                                                                          |    |                        |   |              |                                          |             |                       |                  |                                                  |        |                    |                 |        |                                             |                |                |                   |        |                   |
| MYBS                                                      | ALICE TOWN/South<br>Bimini, Bimini I.<br>RS                       | MYG<br>F<br>KMIA<br>MYN<br>N                                     | Freeport<br>Miami<br>Nassau                                     | 3           |                                            | X        |                                                      |             | 09<br>27                                                                                                 | 2B | NINS<br>T<br>NINS<br>T |   | BE9<br>GRM   | 1524<br>65                               |             |                       |                  |                                                  | S<br>S |                    |                 |        | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |        |                   |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                                 | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                            | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |              |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR               |        |        |   |
|-----------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|--------------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-------------------|--------|--------|---|
|                                                           |                                                                 |                                                                  |                                                                            |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR     | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |        |        |   |
|                                                           |                                                                 |                                                                  |                                                                            |             |             |             |                  |                  |                                                                    |              |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |        |        |   |
| 1                                                         |                                                                 | 2                                                                |                                                                            | 3           | 4           |             |                  |                  | 5                                                                  | 6            | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |                   | 13     |        |   |
| MYSM                                                      | COCKBURN<br>TOWN/San Salvador I.<br>RS                          | MYE<br>G<br>MYN<br>N<br>MYL<br>S                                 | George Town<br>Nassau<br>Stella Maris                                      | 5           |             |             |                  |                  | 10<br>28                                                           | 3C           |                                                      |             | DH8<br>DH8                                                                                                  | 1370<br>27                               |             |                       |                  |                                                  |        | L<br>L             |                 |   |                                             |                |                |                   |                   |        |        |   |
| MYGF                                                      | FREEPORT/Freeport<br>Intl, Grand Bahama I.<br>RS                | MYA<br>M<br>KMIA<br>MYN<br>N<br>MYG<br>W<br>KPBI                 | Marsh Harbour<br>Miami<br>Nassau<br>West End<br>West Palm<br>Beach         | 6<br><br>8  | X           | X           |                  |                  | 06<br>24                                                           | 4C<br><br>4D | PA1<br>NPA                                           | X           | B737<br><br>- AS -<br>DC10                                                                                  | 3350<br>65<br>250                        | 2*D         | XD                    | X                |                                                  | X      | L<br>L             | X               | X |                                             | X              | X<br>X         | X<br>X            | X<br>X            | X<br>X | X<br>X | X |
| MYEG                                                      | GEORGE<br>TOWN/George Town,<br>Exuma I.<br>RS                   | MYN<br>N<br>MYE<br>H<br>MYL<br>S                                 | Nassau<br>North Eleuthera<br>Stella Maris                                  | 5           | X           | X           |                  |                  | 12<br>30                                                           | 3C           | NPA<br>NINS<br>T                                     |             | EMB-120<br>DH8                                                                                              | 2202<br>27                               |             | XD                    | X                |                                                  | X      | L<br>L             | X               | X |                                             | X              | X<br>X         | X<br>X            | X<br>X            | X<br>X | X<br>X |   |
| MYEM                                                      | GOVERNOR'S<br>HARBOUR/Governor's<br>Harbour, Eleuthera I.<br>RS | MYG<br>F<br>MYA<br>M<br>MYN<br>N                                 | Freeport<br>Marsh Harbour<br>Nassau                                        | 5           | X           | X           |                  |                  | 15<br>33                                                           | 3C           | NPA<br>NPA                                           |             | DH8<br>DH8                                                                                                  | 2750<br>27                               |             | XD                    |                  |                                                  | X      | L<br>L             | X               | X |                                             | X              | X<br>X         | X<br>X            | X<br>X            | X<br>X | X<br>X |   |
| MYAM                                                      | MARSH HARBOUR/<br>Marsh Harbour, Abaco<br>I.<br>RS              | MYG<br>F<br>MYN<br>N<br>MYA<br>T                                 | Freeport<br>Nassau<br>Treasure Cay                                         | 5           |             | X           |                  |                  | 09<br>27                                                           | 3C           | NINS<br>T<br>NINS<br>T                               |             | EMB-120<br>DH8                                                                                              | 2317<br>27                               |             |                       |                  | X                                                | L<br>L | X                  | X               |   | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X            | X<br>X |        |   |
| MYNN                                                      | NASSAU/Nassau Intl,<br>New Providence I.<br>RS                  | KFLL<br>MYG<br>F<br>MUH<br>A<br>KMIA<br>MYE<br>H<br>KTPA         | Fort Lauderdale<br>Freeport<br>Habana<br>Miami<br>North Eleuthera<br>Tampa | 9           | R           | X           |                  |                  | 14<br>32                                                           | 4E           | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 3350<br>340                              | 2*D         | XD                    | X                |                                                  | X      | L<br>L             | X               | X |                                             | X              | X<br>X         | X<br>X            | X<br>X            | X<br>X | X<br>X | X |
|                                                           |                                                                 |                                                                  |                                                                            |             |             |             |                  |                  | 09<br>27                                                           | 4D           | NPA<br>NINS<br>T                                     |             | B757<br>B757                                                                                                | 2310<br>102                              |             |                       |                  | X                                                | L<br>L | X                  |                 |   |                                             | X<br>X         | X<br>X         | X<br>X            | X<br>X            | X<br>X |        |   |

[illegible]

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                          | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                     | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas                                       |          |                                                      |             |                                          | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |          | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR      |                   |  |    |
|-----------------------------------------------------------|------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------|-------------|-------------|-------------|------------------|------------------|----------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------|-------------|------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|----------|---------------------------------------------|----------------|----------------|-------------------|----------|-------------------|--|----|
|                                                           |                                          |                                                                  |                                                     |             |             |             |                  |                  | Runway length/<br>Pavement strength<br>French Text<br>Longitud de pista/<br>Resistencia del<br>pavimento |          |                                                      |             |                                          | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B        | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |          | TME<br>DIN<br>ZDD |  |    |
|                                                           |                                          |                                                                  |                                                     |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                                                               | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y |                                          |                                          |             |                       |                  |                                                  |        |                    |                 |          |                                             |                |                |                   |          |                   |  |    |
| 1                                                         |                                          | 2                                                                |                                                     | 3           | 4           |             |                  |                  | 5                                                                                                        | 6        | 7                                                    | 8           | 9                                        |                                          |             |                       | 10               |                                                  |        |                    | 11              |          |                                             |                |                | 12                |          |                   |  | 13 |
| SLCB                                                      | COCHABAMBA/Jorge Wilsterman AS           | SCD A<br>SLLP<br>SPIM<br>SLVR<br>SLTJ                            | Iquique La Paz<br>Lima-Callao Santa Cruz<br>Tarija  | 8           | X           | X           |                  |                  | 13 31                                                                                                    | 4D       | NINST<br>PA1                                         | X           | A310 A310 3800 150                       | XD                                       | XD          | X                     |                  | X                                                | L L    | X                  | X               | X        | X X<br>X                                    | X X<br>X       | X X<br>X       | X X<br>X          | X X<br>X |                   |  |    |
| SLLP                                                      | LA PAZ/EI Alto RS                        | SPQ U<br>SCA R<br>SLCB<br>SLVR<br>SLTR                           | Arequipa Arica<br>Cochabamba Santa Cruz<br>Trinidad | 8           | R           | X           | X                |                  | 10 28                                                                                                    | 4D       | PA1 NINST<br>T                                       | X           | A310 A310 4000 124                       | 2*D                                      | XD          | X                     |                  | X                                                | L L    | X                  | X               | X        | X X<br>X                                    | X X<br>X       | X X<br>X       | X X<br>X          | X X<br>X |                   |  |    |
| SLVR                                                      | SANTA CRUZ/Viru Viru RS                  | SLCB<br>SLLP<br>SLTR                                             | Cochabamba La Paz<br>Trinidad                       | 9           | X           | X           | X                |                  | 15 33                                                                                                    | 4E       | NPA PA1                                              | X           | B747 B747 3500 290                       | X                                        | XD          | X                     |                  | X                                                | L L    | X                  | X               | X        | X X<br>X                                    | X X<br>X       | X X<br>X       | X X<br>X          | X X<br>X |                   |  |    |
| SLTJ                                                      | TARIJA/Oriel Lea Plaza RNS & AS          | SLCB<br>SASJ<br>SLVR                                             | Cochabamba Jujuy<br>Santa Cruz                      | 7           | X           | X           |                  |                  | 13 31                                                                                                    | 4C       | NPA NINST<br>T                                       |             | B727 B727 2672 78                        |                                          | XD          | X                     |                  | X                                                | L L    |                    |                 | X X<br>X | X X<br>X                                    | X X<br>X       | X X<br>X       | X X<br>X          |          |                   |  |    |
| SLTR                                                      | TRINIDAD/Tte. Av. Jorge Henrich Arauz AS | SBC Y<br>SLLP<br>SLVR                                            | Cuiabá La Paz<br>Santa Cruz                         | 7           | X           | X           |                  |                  | 14 32                                                                                                    | 4C       | PA1 NPA                                              |             | B727 B727 2400 78                        | 2*                                       | XD          | X                     |                  | X X                                              | L L    | X                  | X               | X        | X X<br>X                                    | X X<br>X       | X X<br>X       | X X<br>X          | X X<br>X |                   |  |    |
| BRAZIL                                                    |                                          |                                                                  |                                                     |             |             |             |                  |                  |                                                                                                          |          |                                                      |             |                                          |                                          |             |                       |                  |                                                  |        |                    |                 |          |                                             |                |                |                   |          |                   |  |    |
| SBBE                                                      | BELÉM/Val de Cães Intl RS                | SBM Q<br>SBS N<br>SBSL                                           | Macapá Santarém<br>São Luís                         | 8           | R           | X           |                  |                  | 06 24                                                                                                    | 4D       | PA1 NPA                                              | X           | B767 B767 2377 181<br>- AS -<br>B747 356 | XD                                       | XD          | X                     |                  | X                                                | L L    | X                  | X               | X X<br>X | X X<br>X                                    | X X<br>X       | X X<br>X       | X X<br>X          |          |                   |  |    |
| SBCF                                                      | BELO HORIZONTE/Tancredo Neves Intl RS    | SBB R<br>SBGL<br>SBG R                                           | Brasília Rio de Janeiro<br>São Paulo                | 9           | R           | X           | X                |                  | 16 34                                                                                                    | 4E       | PA1 NPA                                              | X           | B777 B777 2222 247                       | X                                        | XD          | X                     |                  | X                                                | L L    | X                  | X               | X X<br>X | X X<br>X                                    | X X<br>X       | X X<br>X       | X X<br>X          |          |                   |  |    |
| SBBV Intl                                                 | BOA VISTA/Boa Vista RS                   | SBM N<br>SMS N                                                   | Manaus Santarém                                     | 6<br>8      | X           | X           |                  |                  | 08 26                                                                                                    | 4C<br>4E | NPA NPA                                              |             | B737 B737 2013 61<br>- AS -<br>B767 172  | X                                        | XD          | X                     |                  | X                                                | L L    | X X                | X X             | X        | X X<br>X                                    | X X<br>X       |                | X X               |          |                   |  |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                              | R<br>F<br>F | ATS |   |   |   | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |        | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR         |                   |
|-----------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------|-------------|-----|---|---|---|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|--------|---------------------------------------------|----------------|----------------|-------------------|-------------|-------------------|
|                                                           |                                                |                                                                  |                                                              |             |     |   |   |   | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B      | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |             | TME<br>DIN<br>ZDD |
|                                                           |                                                |                                                                  |                                                              |             |     |   |   |   |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |        |                                             |                |                |                   |             |                   |
| 1                                                         |                                                | 2                                                                |                                                              | 3           | 4   |   |   |   | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |        |                                             | 12             |                |                   |             | 13                |
| SBBR                                                      | BRASÍLIA/Brasília Intl<br>RS                   | SBCF<br>SBC<br>G<br>SBGL<br>SBSV                                 | Belo Horizonte<br>Campo Grande<br>Rio de Janeiro<br>Salvador | 8           | R   | X | X |   | 11<br>29                                                           | 4E       | PA1<br>NPA                                           | X           | MD11<br>MD11                                                                                                | 2370<br>246                              | XD<br>XD    | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X                                           | X<br>X<br>X    | X<br>X<br>X    | X<br>X<br>X       | X<br>X<br>X | X<br>X<br>X       |
| SBKP                                                      | CAMPINAS/Viracopos<br>Intl<br>RS               | SBGL<br>SBG<br>R                                                 | Rio de Janeiro<br>São Paulo                                  | 8           | R   | X |   |   | 15<br>33                                                           | 4E       | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 2400<br>363                              | X           | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X<br>X | X<br>X<br>X       |
| SBCG                                                      | CAMPO<br>GRANDE/Campo<br>Grande Intl<br>RS     | SGA<br>S<br>SBB<br>R<br>SBKP                                     | Asunción<br>Brasília<br>Campinas                             | 8<br><br>8  | X   | X | X |   | 06<br>24                                                           | 4E       | PA1<br>NPA                                           | X           | MD11<br>MD11<br>- AS -<br>B747                                                                              | 1955<br>286<br>334                       | X           | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X<br>X | X                 |
| SBCR<br>Intl                                              | CORUMBÁ/Corumbá<br>RS                          | SBC<br>G<br>SBC<br>Y                                             | Campo Grande<br>Cuiabá                                       | 6           | X   |   |   | X | 09<br>27                                                           | 4C       | NPA<br>NPA                                           | X           | B737<br>B737                                                                                                | 1351<br>54                               | XD<br>X     | XD*                   | X                |                                                  |        | L<br>L             | X<br>X          | X<br>X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X<br>X |                   |
| SBCZ                                                      | CRUZEIRO DO SUL/<br>Cruzeiro do Sul Intl<br>RS | SPIM<br>SBTT                                                     | Lima-Callao<br>Tabatinga                                     | 6           |     |   |   | X | 10<br>28                                                           | 4C       | NPA<br>NPA                                           |             | B737<br>B737                                                                                                | 1972<br>61                               |             | XD                    | X                |                                                  |        | L<br>L             | X               | X      | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X<br>X |                   |
| SBCY                                                      | CUIABÁ/Marechal<br>Rondon Intl<br>RS           | SBB<br>R<br>SBC<br>G                                             | Brasília<br>Campo Grande                                     | 6           | R   | X |   |   | 17<br>35                                                           | 4C       | PA1<br>NPA                                           |             | B737<br>B737                                                                                                | 1848<br>61                               | X           | XD                    | X                |                                                  |        | L<br>L             | X               | X      | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X<br>X |                   |
| SBCT                                                      | CURITIBA/Afonso<br>Pena Intl<br>RS             | SBFL<br>SBFI<br>SBG<br>R                                         | Florianópolis<br>Foz do Iguaçu<br>São Paulo                  | 8           | R   | X | X |   | 15<br>33                                                           | 4D       | PA3<br>NPA                                           | X           | B767<br>B767                                                                                                | 1641<br>168                              | X           | XD                    | X                | X<br>X                                           | L<br>L | X<br>X             | X<br>X          | X<br>X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X<br>X       | X<br>X      |                   |
| SBFL                                                      | FLORIANÓPOLIS/<br>Hercílio Luz Intl<br>RS      | SBCT<br>SBFI<br>SBPA                                             | Curitiba<br>Foz do Iguaçu<br>Porto Alegre                    | 6           | R   | X | X |   | 14<br>32                                                           | 4C       | PA1<br>NPA                                           | X           | B737<br>B737                                                                                                | 2014<br>52                               | X           | XD                    | X                |                                                  | X      | L<br>L             | X               | X      | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X<br>X |                   |
| SBFZ                                                      | FORTALEZA/Pinto<br>Martins Intl<br>RS          | SBBE<br>SBRF<br>SBSL                                             | Belém<br>Recife<br>São Luís                                  | 8           | R   | X |   |   | 13<br>31                                                           | 4E       | NPA<br>NPA                                           | X           | MD11<br>MD11                                                                                                | 2197<br>248                              |             | XD<br>XD*             | X                |                                                  | X      | L<br>L             | X               | X      | X                                           | X<br>X         | X<br>X         | X<br>X<br>X       | X<br>X<br>X |                   |

[illegible]

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                  | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                  | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |                       |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                          |                 |            | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR        |    |
|-----------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------------|-----------------|------------|---------------------------------------------|----------------|----------------|-------------------|------------|----|
|                                                           |                                                  |                                                                  |                                                                  |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y           | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ       | S<br>TTT<br>ECB | B          | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |            |    |
|                                                           |                                                  |                                                                  |                                                                  |             |             |             |                  |                  |                                                                    |          |                                                      |                       |                                                                                                             |                                          |             |                       |                  |                                                  |        |                          |                 |            |                                             |                |                |                   |            |    |
| 1                                                         |                                                  | 2                                                                |                                                                  | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8                     | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                          |                 |            |                                             | 12             |                |                   |            | 13 |
| SBSV                                                      | SALVADOR/Deputado Luis Eduardo Magalhães Intl RS | SBBR<br>SBRF<br>SBGL                                             | Brasília Recife<br>Rio de Janeiro                                | 8           | R           | X           | X                |                  | 10 28                                                              | 4E       | PA1 NPA                                              | X                     | MD11 2754<br>MD11 267<br>- AS -<br>B747 369                                                                 | X                                        | XD          | X                     |                  | X                                                | L L    | X                        | X               | X          | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X X<br>X X        | X          |    |
| SBSN                                                      | SANTARÉM/Santarém Intl AS                        | SBBE SOC A                                                       | Belém Cayenne Macapá                                             | 6           | X           | X           |                  |                  | 10 28                                                              | 4D       | NPA NPA                                              | X                     | B737 1999<br>B737 61<br>- AS -<br>B767 169                                                                  |                                          | XD          | X                     |                  | X                                                | L L    | X                        | X               | X          | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X X<br>X X        | X          |    |
|                                                           |                                                  | SBMQ<br>SBE G                                                    | Manaus                                                           | 8           |             |             |                  |                  |                                                                    | 4E       |                                                      |                       |                                                                                                             |                                          |             |                       |                  |                                                  |        |                          |                 |            |                                             |                |                |                   |            |    |
| SBSL                                                      | SÃO LUÍS/Marechal Cunha Machado Intl AS          | SBBE SBFZ                                                        | Belém Fortaleza                                                  | 8           | X           | X           |                  |                  | 06 24                                                              | 4D       | NPA NPA                                              | X                     | B767 2007<br>B767 329                                                                                       | X                                        | XD          | X                     |                  | X                                                | L L    | X X                      | X X             | X          | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X X<br>X X        | X          |    |
| SBGR                                                      | SÃO PAULO/Guarulhos Intl RS                      | SBCF                                                             | Belo Horizonte                                                   | 9           | R           | X           | X                |                  | 09R 27L                                                            | 4E       | PA2 PA1                                              | X                     | B747 2222<br>B747 280                                                                                       | XD X                                     | XD          | X                     |                  | X X                                              | L L    | X X<br>X X               | X X<br>X X      | X X<br>X X | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X X<br>X X        | X X<br>X X |    |
|                                                           |                                                  | SBBR                                                             | Brasília                                                         |             |             |             |                  | 09L 27R          | 4E                                                                 | PA1 NPA  | X                                                    | B747 2741<br>B747 380 | 2* 1                                                                                                        |                                          |             |                       |                  | X                                                | L L    | X X<br>X X               | X X<br>X X      |            | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X X<br>X X        |            |    |
|                                                           |                                                  | SBKPSBPA<br>SBRF<br>SBGL<br>SBSV                                 | Campinas<br>Porto Alegre<br>Recife<br>Rio de Janeiro<br>Salvador | 10          |             |             |                  |                  |                                                                    | 4F       |                                                      |                       | A3XX (YR2054)                                                                                               |                                          |             |                       |                  |                                                  |        | X X<br>X X<br>X X<br>X X | X X<br>X X      |            |                                             |                |                |                   |            |    |
| SBTT                                                      | TABATINGA/Tabatinga Intl RS                      | SBCZ SPQT<br>SKLT                                                | Cruzeiro do Sul Iquitos Leticia                                  | 6           |             |             | X                |                  | 12 30                                                              | 4C       | NPA NPA                                              |                       | B737-300 1973<br>B737-300 61                                                                                |                                          |             | X                     |                  | X                                                | X X    |                          | X               | X X<br>X X | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X                 |            |    |
| SBUG                                                      | URUGUAINA/Rubem Berta Intl RS                    | SBPASAR P                                                        | Porto Alegre Posadas                                             | 3           |             |             |                  | X                | 09 27                                                              | 3C       | NINST NPA                                            |                       | EMB-120 1254<br>EMB-120 11                                                                                  |                                          |             | X                     |                  |                                                  | X X    | X X                      | X               | X X<br>X X | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X                 |            |    |
| CAYMAN ISLANDS (United Kingdom)                           |                                                  |                                                                  |                                                                  |             |             |             |                  |                  |                                                                    |          |                                                      |                       |                                                                                                             |                                          |             |                       |                  |                                                  |        |                          |                 |            |                                             |                |                |                   |            |    |
| MWCB                                                      | CAYMAN BRAC/Gerrard Smith Intl RS                | MMUN<br>MWC R<br>MUH A<br>KMIA<br>MKJS<br>MYN N                  | Cancún Georgetown Habana Miami Montego Bay Nassau                | 6           |             | X           |                  |                  | 09 27                                                              | 4C       | NINST NINST                                          |                       | B727 1829<br>B727 65                                                                                        |                                          |             | X                     |                  |                                                  | L L    | X                        | X               | X          | X X<br>X X                                  | X X<br>X X     | X X<br>X X     | X X<br>X X        | X          |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                                | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |              |                                                      |             |                                                                                                             |                              | Radio aids<br>French Text<br>Radioayudas |                       |                  |          | Lighting aids<br>French Text<br>Ayudas luminosas |                      |                 |            |                  | Marking aids<br>French Text<br>Señalamiento |                  |                   |                   | RVR    |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|--------------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|-----------------------|------------------|----------|--------------------------------------------------|----------------------|-----------------|------------|------------------|---------------------------------------------|------------------|-------------------|-------------------|--------|
|                                                           |                                                                                                 |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR     | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                  | V<br>O<br>R                              | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA | V<br>A                                           | R CT<br>WLD<br>YLZ   | S<br>TTT<br>ECB | B          | DC<br>EL<br>SM   | TT<br>HD<br>RZ                              | SA<br>SM<br>TG   | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |        |
|                                                           |                                                                                                 |             |             |             |                  |                  |                                                                    |              |                                                      |             |                                                                                                             |                              |                                          |                       |                  |          |                                                  |                      |                 |            |                  |                                             |                  |                   |                   |        |
| 1                                                         | 2                                                                                               | 3           | 4           |             |                  |                  | 5                                                                  | 6            | 7                                                    | 8           | 9                                                                                                           |                              | 10                                       |                       |                  |          | 11                                               |                      |                 |            |                  | 12                                          |                  |                   |                   | 13     |
| MWCR GEORGETOWN/Owen<br>Roberts Intl<br>RS                | MMU Cancún<br>N Caymen Brac<br>MMC Habana<br>B Kingston<br>MUH Montego Bay<br>A<br>MKJP<br>MKJS | 9           | X           | X           | X                |                  | 08<br>26                                                           | 4E           | NPA<br>NPA                                           | X           | B777<br>B777                                                                                                | 2162<br>238                  |                                          | XD                    | X                |          | X                                                | L<br>L               | X               | X          | X                | X<br>X                                      | X<br>X           | X<br>X            | X<br>X            | X<br>X |
| CHILE<br>SCFA ANTOFAGASTA/Cerro<br>Moreno<br>AS           | SCA Arica<br>R Iquique<br>SCD Jujuy<br>A Salta<br>SASJ Santiago<br>SASA<br>SCEL                 | 8           | R           | X           |                  |                  | 01<br>19                                                           | 4D           | NPA<br>NPA                                           | X           | B767<br>B767                                                                                                | 2599<br>155                  |                                          | XD                    | X                |          | X                                                | L<br>L               | X               | X          | X<br>X           | X<br>X                                      | X<br>X           | X<br>X            | X<br>X            |        |
| SCAR ARICA/Chacalluta<br>RS                               | SCFA Antofagasta<br>SCD Iquique<br>A La Paz<br>SLLP                                             | 6           | X           | X           |                  |                  | 02<br>20                                                           | 4D           | NPA<br>NINS<br>T                                     | X           | A320<br>A320                                                                                                | 2170<br>72                   |                                          | XD                    | X                |          | X                                                | L<br>L               | X               | X          | X<br>X           | X<br>X                                      | X<br>X           | X<br>X            | X<br>X            |        |
| SCIE CONCEPCIÓN/Carriel<br>Sur<br>RS                      | SAZN Neuquén<br>SCEL Santiago<br>SCTE Temuco                                                    | 6<br><br>8  | X           | X           |                  |                  | 02<br>20                                                           | 4D           | PA1<br>NPA                                           | X           | A320<br>A320<br>- AS -<br>B767                                                                              | 2300<br>72<br>155            | X                                        | XD                    | X                |          | X                                                | L<br>L               | X               | X          | X<br>X           | X<br>X                                      | X<br>X           | X<br>X            | X<br>X            |        |
| SCDA IQUIQUE/Gral. Diego<br>Aracena<br>RS                 | SCFA Antofagasta<br>SCA Arica<br>R Cochabamba<br>SLCB                                           | 8           | R           | X           |                  |                  | 18<br>36                                                           | 4D           | NPA<br>NINS<br>T                                     | X           | B767<br>B767                                                                                                | 3350<br>155                  |                                          | XD                    | X                |          | X                                                | L<br>L               | X               | X          | X<br>X           | X<br>X                                      | X<br>X           | X<br>X            | X<br>X            |        |
| SCTE PUERTO MONTT/EI<br>Tepual<br>RS                      | SAV Comodoro<br>C Rivadavia<br>SCIE Concepción<br>SAZN Neuquén<br>SAZS San C. de<br>Bariloche   | 6<br><br>9  | R           | X           |                  |                  | 17<br>35                                                           | 4D<br><br>4E | NPA<br>PA1                                           | X           | A320<br>A320<br>- AS -<br>B747-200                                                                          | 2650<br>72<br>256            | 2*                                       | XD                    | X                |          | X                                                | L<br>L               | X               | X          | X<br>X           | X<br>X                                      | X<br>X           | X<br>X            | X<br>X            |        |
| SCCI PUNTA ARENAS/Pdte.<br>C. Ibañez del Campo<br>AS      | SAW Río Gallegos<br>G Río Grande<br>SAW Ushuaia<br>E<br>SAW<br>H                                | 6           | R           | X           |                  |                  | 07<br>25<br><br>12<br>30                                           | 4D<br><br>4D | NPA<br>PA1<br><br>NPA<br>NPA                         | X<br><br>X  | A320<br>A320<br><br>A320<br>A320                                                                            | 2790<br>72<br><br>2400<br>72 | XD<br><br>XD                             | XD<br><br>XD          | X<br><br>X       |          | X<br><br>X                                       | L<br>L<br><br>L<br>L | X<br><br>X      | X<br><br>X | X<br>X<br>X<br>X | X<br>X<br>X<br>X                            | X<br>X<br>X<br>X | X<br>X<br>X<br>X  | X<br>X<br>X<br>X  |        |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                    | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                         | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |     | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |                   |     |
|-----------------------------------------------------------|------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|-----|---------------------------------------------|----------------|----------------|-------------------|-----|-------------------|-----|
|                                                           |                                    |                                                                  |                                                                         |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B   | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     | TME<br>DIN<br>ZDD |     |
|                                                           |                                    |                                                                  |                                                                         |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |     |                                             |                |                |                   |     |                   |     |
| 1                                                         |                                    | 2                                                                |                                                                         | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |     |                                             | 12             |                |                   |     | 13                |     |
| SCEL                                                      | SANTIAGO/Arturo Merino Benítez RS  | SCFA SGA S SAEZ SCIE SAC O SAM E SUM U                           | Antofagasta Asunción Buenos Aires Concepción Córdoba Mendoza Montevideo | 9 10        | R           | X           | X                |                  | 17 35                                                              | 4E 4F    | PA3 NPA                                              | X           | B747 B747 A3XX (YR20640)                                                                                    | 3800 380                                 | XD          | XD                    | X                |                                                  | X X    | L L                | X X             | X X | X X                                         | X X            | X X            | X X               | X X | X X               | X X |
| SCTC                                                      | TEMUCO/Manquehue RS                | SCIE SAZN SAZS                                                   | Concepción Neuquén San C. de Bariloche                                  | 6           | X           | X           |                  |                  | 06 24                                                              | 4C       | NPA NPA                                              | X           | A320 A320                                                                                                   | 2100 72                                  |             | XD                    | X                |                                                  | X      | L L                | X               | X   | X                                           | X              | X X            | X X               | X X | X X               | X X |
| COLOMBIA                                                  |                                    |                                                                  |                                                                         |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |     |                                             |                |                |                   |     |                   |     |
| SKBQ                                                      | BARRANQUILLA/ Ernesto Cortissoz RS | SKC G SVM C TNCA MPT O SKR G                                     | Cartagena Maracaibo Oranjestad Panamá Rionegro                          | 9           | R           | X           | X                | X                | 04 22                                                              | 4E       | PA1 NINS T                                           | X           | B747 B747                                                                                                   | 3000 330                                 | X           | XD                    | X                |                                                  | X      | L L                | X               | X   | X                                           | X              | X X            | X X               | X X | X X               | X   |
| SKCL                                                      | CALI/Alfonso Bonilla Aragón RS     | SKC G SKLT SKR G SKB O                                           | Cartagena Leticia Rionegro Santafé de Bogotá                            | 9           | R           | X           | X                |                  | 01 19                                                              | 4D       | PA1 NPA                                              | X           | B747 B747                                                                                                   | 3000 293                                 | X           | XD                    | X                |                                                  | X      | L L                | X               | X   | X                                           | X              | X X            | X X               | X X | X X               | X   |
| SKCG                                                      | CARTAGENA/Rafael Nuñez RS          | SKB Q SVM C MPT O SKR G                                          | Barranquilla Maracaibo Panamá Rionegro                                  | 8           | X           | X           | X                |                  | 18 36                                                              | 4D       | NINS T NPA                                           | X           | B767 B767                                                                                                   | 2600 150                                 | X           | XD                    | X                |                                                  | X      | L L                | X               | X   | X                                           | X              | X X            | X X               | X X | X X               | X   |

[illegible]

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                             | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                             |                                                                                                                      | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |
|-----------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|
|                                                           |                                             |                                                                                              |                                                                                                                      |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |
|                                                           |                                             |                                                                                              |                                                                                                                      |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |
| 1                                                         |                                             | 2                                                                                            |                                                                                                                      | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |        | 13                |
| MROC                                                      | ALAJUELA/Juan<br>Santamaría Intl<br>RS      | MGG<br>T<br>MKJP<br>MRL<br>B<br>MNM<br>G<br>MKJS<br>MPT<br>O<br>SKSP<br>MHL<br>M<br>MSL<br>P | Guatemala<br>Kingston<br>Liberia<br>Managua<br>Montego Bay<br>Panamá<br>San Andrés<br>San Pedro Sula<br>San Salvador | 9           | R           | X           | X                |                  | 07<br>25                                                           | 4E       | PA1<br>NINS<br>T                                     | X           | B777<br>B777                                                                                                | 3012<br>238                              | 2*          | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |
| MRLB                                                      | LIBERIA/Daniel Oduber<br>Quirós<br>RNS & AS | MRO<br>C<br>MNM<br>G                                                                         | Alajuela<br>Managua                                                                                                  | 9           | X           | X           |                  |                  | 07<br>25                                                           | 4E       | PA1<br>NINS<br>T                                     | X           | DC10-30<br>B747-300                                                                                         | 2750<br>250                              | 2*          | XD                    |                  | X<br>X                                           | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X      |                   |
| MRLM                                                      | LIMÓN/Limón Intl<br>RG                      |                                                                                              |                                                                                                                      | 6           |             |             |                  | X                | 14<br>32                                                           | 4E       | NPA<br>NINS<br>T                                     |             | BAC-111<br>BAC-111                                                                                          | 1800<br>40                               |             | XD                    |                  |                                                  | L<br>L |                    |                 |   | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |        |                   |
| MRPV                                                      | PAVAS/Tobías<br>Bolanos Intl<br>RG          |                                                                                              |                                                                                                                      | 3           |             | X           |                  |                  | 09<br>27                                                           | 1B       | NINS<br>T<br>NINS<br>T                               | X<br>X      | DH6<br>DH6                                                                                                  | 1000<br>6                                |             |                       |                  |                                                  | S<br>S |                    |                 |   | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |        |                   |
| CUBA                                                      |                                             |                                                                                              |                                                                                                                      |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |
| MUCM                                                      | CAMAGUEY/Ignacio<br>Agramonte<br>RS         | MUC<br>A<br>MUH<br>A<br>MUH<br>G<br>MKJP<br>MYN<br>N<br>MUC<br>U<br>MUV<br>R                 | Ciego de Avila<br>Habana<br>Holguín<br>Kingston<br>Nassau<br>Santiago de<br>Cuba<br>Varadero                         | 9           | R           | X           |                  |                  | 07<br>25                                                           | 4E       | PA1<br>NPA                                           |             | B747<br>B747                                                                                                | 3000<br>373                              | 2*          | XD                    | X                | XG                                               | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                  | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                   |                                                                                                                                | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |        | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR               |        |        |        |  |
|-----------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|--------|---------------------------------------------|----------------|----------------|-------------------|-------------------|--------|--------|--------|--|
|                                                           |                                  |                                                                                    |                                                                                                                                |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B      | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |        |        |        |  |
|                                                           |                                  |                                                                                    |                                                                                                                                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |        |                                             |                |                |                   |                   |        |        |        |  |
| 1                                                         |                                  | 2                                                                                  |                                                                                                                                | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |        |                                             | 12             |                |                   |                   | 13     |        |        |  |
| MUCL                                                      | CAYO LARGO DEL SUR/Vilo Acuña RS | MUC M<br>MMU N<br>MUH A<br>MUH G<br>MKJP<br>MKJS<br>MUV R                          | Camagüey<br>Cancún<br>Habana<br>Holguín<br>Kingston<br>Montego Bay<br>Varadero                                                 | 8           | X           | X           |                  |                  | 12<br>30                                                           | 4D       | NPA<br>NPA                                           |             |                                                                                                             | B767<br>B767                             | 3000<br>150 |                       | XD               | X                                                |        |                    | X               | L<br>L | X                                           | X              | X              | X                 | X<br>X            | X<br>X | X<br>X | X<br>X |  |
| MUCA                                                      | CIEGO DE AVILA/ Máximo Gómez RS  | MUC M<br>MUH A<br>MUH G<br>MKJP<br>MYN N<br>MUC U<br>MUV R                         | Camagüey<br>Habana<br>Holguín<br>Kingston<br>Nassau<br>Santiago de Cuba<br>Varadero                                            | 8           | X           | X           |                  |                  | 07<br>25                                                           | 4D       | NPA<br>NPA                                           |             |                                                                                                             | B767<br>B767                             | 3500<br>150 |                       | XD               | X                                                |        |                    | X               | L<br>L | X                                           | X              | X              | X<br>X            | X<br>X            | X<br>X | X<br>X | X<br>X |  |
| MUHA                                                      | HABANA/José Martí RS             | MUC M<br>MMU N<br>KFLL<br>MUH G<br>MKJP<br>KMIA<br>MKJS<br>MYN N<br>MUC U<br>MUV R | Camagüey<br>Cancún<br>Fort Lauderdale<br>Holguín<br>Kingston<br>Miami<br>Montego Bay<br>Nassau<br>Santiago de Cuba<br>Varadero | 9           | R           | X           | X                |                  | 06<br>24                                                           | 4E       | PA1<br>NPA                                           | X           |                                                                                                             | B747<br>B747                             | 4000<br>373 | 2*                    | XD               | X                                                | XG     | X<br>X             | L<br>L          | X      | X                                           | X              | X<br>X         | X<br>X            | X<br>X            | X<br>X | X<br>X | X      |  |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa | R<br>F<br>F                                                                          | ATS                                                                                              |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |              |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |        | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |        |   |
|-----------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|--------|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|--------|---|
|                                                           |                                                                  |                                                                                      | A<br>P<br>P                                                                                      | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R  | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B      | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |        |   |
|                                                           |                                                                  |                                                                                      |                                                                                                  |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |              |                       |                  |                                                  |        |                    |                 |        |                                             |                |                |                   |        |                   |        |   |
| 1                                                         | 2                                                                | 3                                                                                    | 4                                                                                                |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10           |                       |                  |                                                  | 11     |                    |                 |        |                                             | 12             |                |                   |        | 13                |        |   |
| MUHG                                                      | HOLGUÍN/Frank País<br>RS                                         | MUC<br>M<br>MUH<br>A<br>MKJP<br>MYN<br>N<br>MTP<br>P<br>MUC<br>U<br>MUV<br>R         | Camagüey<br>Habana<br>Kingston<br>Nassau<br>Port-au-Prince<br>Santiago de<br>Cuba<br>Varadero    | 8           | R                | X                |                                                                    |          | 05<br>23                                             | 4D          | NPA<br>NPA                                                                                                  |                                          | B767<br>B767 | 3240<br>150           |                  | XD                                               | X      |                    | X               | L<br>L | X                                           | X              | X              | X<br>X            | X<br>X | X<br>X            | X<br>X |   |
| MUCU                                                      | SANTIAGO DE CUBA/<br>Antonio Maceo<br>RS                         | MUC<br>M<br>MUH<br>A<br>MUH<br>G<br>MKJP<br>MKJS<br>MYN<br>N<br>MTP<br>P<br>MUV<br>R | Camagüey<br>Habana<br>Holguín<br>Kingston<br>Montego Bay<br>Nassau<br>Port-au-Prince<br>Varadero | 8           | R                | X                |                                                                    |          | 09<br>27                                             | 4D          | NPA<br>NPA                                                                                                  |                                          | B767<br>B767 | 4000<br>150           |                  | XD                                               | X      |                    | X               | L<br>L | X                                           | X              | X<br>X         | X<br>X            | X<br>X | X<br>X            | X<br>X |   |
| MUVR                                                      | VARADERO/Juan<br>Gualberto Gómez<br>RS                           | MUC<br>M<br>MMU<br>N<br>MUH<br>A<br>MUH<br>G<br>MKJP<br>MYN<br>N<br>MUC<br>U         | Camagüey<br>Cancún<br>Habana<br>Holguín<br>Kingston<br>Nassau<br>Santiago de<br>Cuba             | 9           | R                | X                |                                                                    |          | 06<br>24                                             | 4E          | PA1<br>NPA                                                                                                  | X                                        | B747<br>B747 | 3500<br>373           | X                | XD                                               | X      | XG                 | X<br>X          | L<br>L | X                                           | X              | X<br>X         | X<br>X            | X<br>X | X<br>X            | X<br>X | X |
| DOMINICA                                                  |                                                                  |                                                                                      |                                                                                                  |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |              |                       |                  |                                                  |        |                    |                 |        |                                             |                |                |                   |        |                   |        |   |
| TDPD                                                      | MELVILLE HALL/<br><br>Dominica<br>RS                             | TFFF<br>TFFR<br>TDPR                                                                 | Fort-de-France<br>Pointe-à-Pitre<br>Roseau                                                       | 5           |                  | X                |                                                                    |          | 09<br>27                                             | 3C          | NINS<br>T<br>NINS<br>T                                                                                      |                                          | DH8<br>DH8   | 1463<br>19            |                  |                                                  | X      |                    |                 | L<br>L |                                             |                | X<br>X         | X<br>X            | X<br>X | X<br>X            | X<br>X |   |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                        | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                                       | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas                                       |          |                                                      |             |              | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |                           |                 |    |                            | Marking aids<br>French Text<br>Señalamiento |                            |                            |                                      | RVR    |        |        |    |
|-----------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|----------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------|-------------|--------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|---------------------------|-----------------|----|----------------------------|---------------------------------------------|----------------------------|----------------------------|--------------------------------------|--------|--------|--------|----|
|                                                           |                                                        |                                                                  |                                                                                       |             |             |             |                  |                  | Runway length/<br>Pavement strength<br>French Text<br>Longitud de pista/<br>Resistencia del<br>pavimento |          |                                                      |             |              | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S |                                                  | R<br>C<br>T<br>WLD<br>YLZ | S<br>TTT<br>ECB | B  | D<br>C<br>E<br>L<br>S<br>M | T<br>T<br>H<br>D<br>R<br>Z                  | S<br>A<br>S<br>M<br>T<br>G | T<br>H<br>W<br>L<br>Y<br>D | T<br>M<br>E<br>D<br>I<br>N<br>Z<br>D |        |        |        |    |
|                                                           |                                                        |                                                                  |                                                                                       |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                                                               | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y |              |                                          |             |                       |                  |                                                  |                           |                 |    |                            |                                             |                            |                            |                                      |        |        |        |    |
| 1                                                         |                                                        | 2                                                                |                                                                                       | 3           | 4           |             |                  |                  | 5                                                                                                        | 6        | 7                                                    | 8           | 9            |                                          |             |                       | 10               |                                                  |                           |                 | 11 |                            |                                             |                            |                            | 12                                   |        |        |        | 13 |
| TDPR                                                      | ROSEAU/Canefield<br>RS                                 | TFFF<br>TDPD<br>TFFR                                             | Fort-de-France<br>Melville Hall<br>Pointe-à-Pitre                                     | 3           |             | X           |                  |                  | 01<br>19                                                                                                 | 1B       | NINS<br>T<br>NINS<br>T                               |             | D28<br>D28   | 610<br>6                                 |             |                       |                  |                                                  | S<br>S                    |                 |    |                            |                                             | X<br>X                     | X<br>X                     | X<br>X                               | X<br>X | X<br>X | X<br>X |    |
| DOMINICAN REPUBLIC                                        |                                                        |                                                                  |                                                                                       |             |             |             |                  |                  |                                                                                                          |          |                                                      |             |              |                                          |             |                       |                  |                                                  |                           |                 |    |                            |                                             |                            |                            |                                      |        |        |        |    |
| MDBH                                                      | BARAHONA/Arpto.<br>Internacional María<br>Montes<br>RS | MDP<br>P<br>MDP<br>C<br>MDS<br>D                                 | Puerto Plata<br>Punta Cana<br>Santo Domingo                                           | 9           | X           | X           | X                | X                | 12<br>30                                                                                                 | 4E       | NPA<br>NPA                                           | X           | B747<br>B747 | 3000<br>300                              |             | X                     | X                |                                                  | X<br>X                    | L<br>L          | X  | X                          |                                             | X                          | X<br>X                     | X<br>X                               | X<br>X | X<br>X | X<br>X |    |
| MDHE                                                      | HERRERA/Arpto.<br>Internacional de<br>Herrera<br>RS    | MDL<br>R<br>MDS<br>D                                             | La Romana<br>Santo Domingo                                                            | 5           | X           | X           | X                | X                | 01<br>19                                                                                                 | 2C       | NPA<br>NPA                                           |             | DH8<br>DH8   | 1235<br>15                               |             |                       | X                |                                                  | S<br>S                    | X               | X  |                            | X                                           | X<br>X                     | X<br>X                     | X<br>X                               | X<br>X | X<br>X | X<br>X |    |
| MDLR                                                      | LA ROMANA/La<br>Romana Intl<br>RS                      | MKJP<br>MTP<br>P<br>MDP<br>P<br>MDP<br>C<br>TJSJ<br>MDS<br>D     | Kingston<br>Port-au-Prince<br>Puerto Plata<br>Punta Cana<br>San Juan<br>Santo Domingo | 7           | X           | X           | X                | X                | 12<br>30                                                                                                 | 4C       | NPA<br>NPA                                           |             | B727<br>B727 | 2000<br>150                              |             |                       | X                |                                                  | L<br>L                    | X               |    |                            | X                                           | X<br>X                     | X<br>X                     | X<br>X                               | X<br>X | X<br>X | X<br>X |    |
| MDPP                                                      | PUERTO PLATA/<br>Gregorio Luperón Intl<br>RS           | MKJP<br>MTP<br>P<br>TJSJ<br>MDS<br>T<br>MDS<br>D                 | Kingston<br>Port-au-Prince<br>San Juan<br>Santiago<br>Santo Domingo                   | 9           | R           | X           | X                | X                | 08<br>26                                                                                                 | 4E       | NPA<br>NPA                                           | X           | B747<br>B747 | 3081<br>340                              |             | XD                    | X                |                                                  | X                         | L<br>L          | X  | X                          |                                             | X                          | X<br>X                     | X<br>X                               | X<br>X | X<br>X | X<br>X |    |
| MDPC                                                      | PUNTA CANA/Punta<br>Cana Intl<br>RS                    | MKJP<br>MDL<br>R<br>MTP<br>P<br>MDP<br>P<br>TJSJ<br>MDS<br>D     | Kingston<br>La Romana<br>Port-au-Prince<br>Puerto Plata<br>San Juan<br>Santo Domingo  | 9           | X           | X           | X                |                  | 09<br>27                                                                                                 | 4E       | PA1<br>NPA                                           | X           | B747<br>B747 | 3101<br>260                              | X           | XD                    | X                |                                                  | X                         | L<br>L          | X  | X                          |                                             | X                          | X<br>X                     | X<br>X                               | X<br>X | X<br>X | X<br>X |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                             | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa         |                                                                                                                  | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |              |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR               |    |
|-----------------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|--------------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-------------------|----|
|                                                           |                                             |                                                                          |                                                                                                                  |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR     | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |    |
|                                                           |                                             |                                                                          |                                                                                                                  |             |             |             |                  |                  |                                                                    |              |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |    |
| 1                                                         |                                             | 2                                                                        |                                                                                                                  | 3           | 4           |             |                  |                  | 5                                                                  | 6            | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |                   | 13 |
| MDST                                                      | SANTIAGO/Cibao Intl<br>RS                   | MTP<br>P<br>MDP<br>P<br>MDS<br>D                                         | Port-au-Prince<br>Puerto Plata<br>Santo Domingo                                                                  | 4           | X           | X           |                  |                  | 12<br>30                                                           | 2C           | NINS<br>T<br>NINS<br>T                               |             | ATR42<br>ATR42                                                                                              | 1552<br>16                               |             |                       |                  |                                                  | S<br>S | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |                   |    |
| MDSD                                                      | SANTO DOMINGO/De<br>Las Américas Intl<br>RS | SVMI<br>MKJP<br>MKJS<br>TFFR<br>MTP<br>P<br>MDP<br>P<br>MDP<br>C<br>TJSJ | Caracas<br>Kingston<br>Montego Bay<br>Pointe-à-Pitre<br>Port-au-Prince<br>Puerto Plata<br>Punta Cana<br>San Juan | 9<br><br>10 | R           | X           | X                |                  | 17<br>35                                                           | 4E<br><br>4F | PA1<br>NPA                                           | X           | B747<br>B747<br><br>A3XX (YR2064)                                                                           | 3355<br>390<br><br>340                   | 2*D         | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X            | X  |
| ECUADOR                                                   |                                             |                                                                          |                                                                                                                  |             |             |             |                  |                  |                                                                    |              |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |    |
| SEGU                                                      | GUAYAQUIL/Simón<br>Bolívar<br>RS            | SKCL<br>SPHI<br>SELT<br>SPIM<br>SEQ<br>U<br>SKR<br>G<br>SKB<br>O         | Cali<br>Chiclayo<br>Latacunga<br>Lima-Callao<br>Quito<br>Rionegro<br>Santafé de<br>Bogotá                        | 9           | R           | X           | X                |                  | 03<br>21                                                           | 4E           | NINS<br>T<br>PA1                                     | X           | B747<br>B747                                                                                                | 2440<br>325                              | 2*          | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X            | X  |
| SELT                                                      | LATACUNGA/Cotopaxi<br>RNS & AS              | SEG<br>U<br>SEQ<br>U                                                     | Guayaquil<br>Quito                                                                                               | 9           | X           | X           |                  |                  | 18<br>36                                                           | 4E           | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 3690<br>340                              | X           | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X            |    |
| SEMT                                                      | MANTA/Eloy Alfaro<br>RS                     | SPHI<br>SEG<br>U<br>SELT<br>SEQ<br>U                                     | Chiclayo<br>Guayaquil<br>Latacunga<br>Quito                                                                      | 8           | X           | X           |                  |                  | 05<br>23                                                           | 4D           | NINS<br>T<br>PA1                                     | X           | DC10<br>DC10                                                                                                | 2860<br>250                              | XD          | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X                 |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso                           | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                                                                                                                  | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             |             | Radio aids<br>French Text<br>Radioayudas |                       |                  |          | Lighting aids<br>French Text<br>Ayudas luminosas |                    |                 |   |                | Marking aids<br>French Text<br>Señalamiento |                |                   |                   | RVR |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|-----------------------|------------------|----------|--------------------------------------------------|--------------------|-----------------|---|----------------|---------------------------------------------|----------------|-------------------|-------------------|-----|
|                                                                                     |                                                                                                                                                                                   |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S | V<br>O<br>R                              | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA | V<br>A                                           | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM | TT<br>HD<br>RZ                              | SA<br>SM<br>TG | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |     |
|                                                                                     |                                                                                                                                                                                   |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |             |                                          |                       |                  |          |                                                  |                    |                 |   |                |                                             |                |                   |                   |     |
| 1                                                                                   | 2                                                                                                                                                                                 | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |             | 10                                       |                       |                  |          | 11                                               |                    |                 |   |                | 12                                          |                |                   |                   | 13  |
| SEQU QUITO/Mariscal Sucre<br>RS                                                     | SKCL Cali<br>SEG Guayaquil<br>U Latacunga<br>SELT Panamá<br>MPT Rionegro<br>O Santafé de<br>SKR Bogotá<br>G<br>SKB<br>O                                                           | 9           | R           | X           | X                |                  | 17<br>35                                                           | 4E       | NPA<br>PA1                                           | X           | B747<br>B747                                                                                                | 3120<br>340 | 2*                                       | XD                    | X                |          | X                                                | L<br>L             | X               | X | X              | X<br>X<br>X                                 | X<br>X<br>X    | X<br>X<br>X       | X<br>X<br>X       | X   |
| EL SALVADOR<br>MSLP SAN SALVADOR/EI<br>Salvador Intl<br>RS                          | MRO Alajuela<br>C Belize<br>MZB Guatemala<br>Z Managua<br>MGG San José<br>T San Pedro Sula<br>MNM<br>G<br>MGS<br>J<br>MHL<br>M                                                    | 8           | R           | X           | X                |                  | 07<br>25                                                           | 4D       | PA1<br>NPA                                           | X           | B767<br>B767                                                                                                | 3200<br>146 | 2*                                       | XD                    | X                |          | X<br>X                                           | L<br>L             | X               | X | X              | X<br>X<br>X                                 | X<br>X<br>X    | X<br>X<br>X       | X<br>X<br>X       | X   |
| MSSS SAN SALVADOR/<br>Ilopango Intl<br>RG                                           |                                                                                                                                                                                   | 4           | X           | X           |                  |                  | 15<br>33                                                           | 3C       | NPA<br>NINS<br>T                                     |             | DC3<br>DC3                                                                                                  | 2240<br>11  |                                          | XD                    | X                |          |                                                  | L<br>L             | X               | X | X              | X<br>X<br>X                                 | X<br>X<br>X    | X<br>X<br>X       | X<br>X<br>X       |     |
| FRENCH ANTILLES<br>(France)<br>TFFF FORT-DE-FRANCE/Le<br>Lamentin, Martinique<br>RS | TBPB Bridgetown<br>SVMI Caracas<br>TFFR Pointe-à-Pitre<br>TTPP Port of Spain<br>TAPA Saint Johns<br>TJSJ San Juan<br>TLPL Vieux-Fort                                              | 9           | R           | X           | X                |                  | 09<br>27                                                           | 4E       | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 3300<br>350 | 2*D                                      | XD                    | X                |          | X<br>X                                           | L<br>L             | X               | X | X              | X<br>X<br>X                                 | X<br>X<br>X    | X<br>X<br>X       | X<br>X<br>X       | X   |
| TFFR POINTEÀ-PITRE/Le<br>Raizet, Guadeloupe<br>RS                                   | TBPB Bridgetown<br>SVMI Caracas<br>TFFF Fort-de-France<br>TDPD Dominica<br>TNC Philipsburg<br>M Saint Johns<br>TAPA San Juan<br>TJSJ Santo Domingo<br>MDS Vieux-Fort<br>D<br>TLPL | 9           | R           | X           | X                |                  | 11<br>29                                                           | 4E       | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 3500<br>350 | 2*D                                      | XD                    | X                |          | X                                                | L<br>L             | X               | X | X              | X<br>X<br>X                                 | X<br>X<br>X    | X<br>X<br>X       | X<br>X<br>X       | X   |



| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                              | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                             |                                                                                                 | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas                                       |          |                                                      |             |                                | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |  |    |
|-----------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|----------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------|-------------|--------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|--|----|
|                                                           |                                              |                                                                                              |                                                                                                 |             |             |             |                  |                  | Runway length/<br>Pavement strength<br>French Text<br>Longitud de pista/<br>Resistencia del<br>pavimento |          |                                                      |             |                                | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |  |    |
|                                                           |                                              |                                                                                              |                                                                                                 |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                                                               | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y |                                |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |  |    |
| 1                                                         |                                              | 2                                                                                            |                                                                                                 | 3           | 4           |             |                  |                  | 5                                                                                                        | 6        | 7                                                    | 8           | 9                              |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |        |                   |  | 13 |
| MGGT                                                      | GUATEMALA/La Aurora<br>RS                    | MRO<br>C<br>MZB<br>Z<br>MGF<br>L<br>MNM<br>G<br>MMM<br>D<br>MGS<br>J<br>MHL<br>M<br>MSL<br>P | Alajuela<br>Belize<br>Flores<br>Managua<br>Mérida<br>San José<br>San Pedro Sula<br>San Salvador | 9           | R           | X           | X                |                  | 01<br>19                                                                                                 | 4E       | PA1<br>NPA                                           | X           | B747<br>B747                   | 2987<br>308                              | 2*D         | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |  |    |
| MGPB                                                      | PUERTO BARRIOS/<br>Puerto Barrios<br>RG & AS | MZB<br>Z<br>MGF<br>L<br>MGG<br>T<br>MHL<br>M                                                 | Belize<br>Flores<br>Guatemala<br>San Pedro Sula                                                 | 6           |             | X           |                  |                  | 12<br>30                                                                                                 | 3C       | NINS<br>T<br>NINS<br>T                               |             | B737<br>B737                   | 2400<br>45                               |             | XD                    | X                |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X |                   |  |    |
| MGSJ                                                      | SAN JOSÉ/San José<br>RG & AS                 | MGF<br>L<br>MGG<br>T<br>MSL<br>P<br>MMT<br>P                                                 | Flores<br>Guatemala<br>San Salvador<br>Tapachula                                                | 6           |             | X           |                  |                  | 15<br>33                                                                                                 | 4C       | NPA<br>NPA                                           |             | B737<br>B737                   | 2010<br>45                               |             | XD                    | X                |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X |                   |  |    |
| GUYANA                                                    |                                              |                                                                                              |                                                                                                 |             |             |             |                  |                  |                                                                                                          |          |                                                      |             |                                |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |  |    |
| SYCJ                                                      | TIMEHRI/Cheddi Jagan<br>Intl<br>RS           | SOC<br>A<br>TTPP<br>SMJP                                                                     | Cayenne<br>Port of Spain<br>Zandery                                                             | 7           | X           | X           |                  |                  | 06<br>24                                                                                                 | 4D       | PA1<br>NINS<br>T                                     | X           | B757<br>B757<br>- AS -<br>B747 | 2286<br>110<br>256                       | 2*          | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |  |    |
|                                                           |                                              |                                                                                              |                                                                                                 | 9           |             |             |                  |                  |                                                                                                          | 4E       |                                                      |             |                                |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |  |    |
| HAITI                                                     |                                              |                                                                                              |                                                                                                 |             |             |             |                  |                  |                                                                                                          |          |                                                      |             |                                |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |  |    |
| MTCH                                                      | CAP HAITIEN/Cap<br>Haitien Intl<br>RS        | MTP<br>P<br>MDP<br>P<br>MUC<br>U                                                             | Port-au-Prince<br>Puerto Plata<br>Santiago de<br>Cuba                                           | 4           | X           | X           |                  | X                | 05<br>23                                                                                                 | 3C       | NINS<br>T<br>NPA                                     |             | CV-440<br>CV-440               | 1500<br>21                               |             | X                     | X                |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X |                   |  |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                        | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa              |                                                                                             | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR               |        |   |
|-----------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-------------------|--------|---|
|                                                           |                                                        |                                                                               |                                                                                             |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |        |   |
|                                                           |                                                        |                                                                               |                                                                                             |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |        |   |
| 1                                                         |                                                        | 2                                                                             |                                                                                             | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |                   | 13     |   |
| MTPP                                                      | PORT-AU-PRINCE/Port-au-Prince Intl<br>RS               | MTC H<br>MKJP<br>MDP<br>P<br>TJSJ<br>MUC<br>U<br>MDS<br>D                     | Cap Haitien<br>Kingston<br>Puerto Plata<br>San Juan<br>Santiago de<br>Cuba<br>Santo Domingo | 9           | R           | X           |                  |                  | 09<br>27                                                           | 4E       | PA1<br>NINS<br>T                                     | X           | B747<br>B747                                                                                                | 3040<br>280                              | 2*D         | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X            | X<br>X | X |
| HONDURAS                                                  |                                                        |                                                                               |                                                                                             |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |        |   |
| MHLC                                                      | LA CEIBA/Goloson Intl<br>RS                            | MZB Z<br>MHR<br>O<br>MGP<br>B<br>MNP<br>C<br>MHL<br>M                         | Belize<br>Croxen Hole<br>Puerto Barrios<br>Puerto Cabezas<br>San Pedro Sula                 | 5           | X           | X           | X                |                  | 06<br>24                                                           | 3C       | NPA<br>NINS<br>T                                     |             | ATR72<br>ATR72                                                                                              | 2950<br>21                               |             |                       | X                |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X            | X<br>X | X |
| MHRO                                                      | COXEN HOLE/Juan Manuel Galvez Intl,<br>Roatán I.<br>RS | MZB Z<br>MHL<br>C<br>MHL<br>M                                                 | Belize<br>La Ceiba<br>San Pedro Sula                                                        | 6           |             | X           |                  |                  | 06<br>24                                                           | 4C       | NPA<br>NPA                                           |             | B737<br>B737                                                                                                | 2240<br>45                               |             |                       | X                |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |        |   |
| MHLM                                                      | SAN PEDRO SULA/La Mesa Intl<br>RS                      | MZB Z<br>MHR<br>O<br>MGG<br>T<br>MHL<br>C<br>MNM<br>G<br>MGP<br>B<br>MSL<br>P | Belize<br>Croxen Hole<br>Guatemala<br>La Ceiba<br>Managua<br>Puerto Barrios<br>San Salvador | 6           | R           | X           | X                |                  | 03<br>21                                                           | 4C       | NINS<br>T<br>PA1                                     | X           | A320<br>A320                                                                                                | 2805<br>65                               | XD          | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X            | X<br>X | X |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                                                                                                                   | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |              |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |  |    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|--------------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|--|----|
|                                                           |                                                                                                                                                                                    |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR     | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |  |    |
|                                                           |                                                                                                                                                                                    |             |             |             |                  |                  |                                                                    |              |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |  |    |
| 1                                                         | 2                                                                                                                                                                                  | 3           | 4           |             |                  |                  | 5                                                                  | 6            | 7                                                    | 8           | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |        |                   |  | 13 |
| MHTG TEGUCIGALPA/<br>Toncontin Intl<br>RS                 | MHL C La Ceiba<br>SKSP San Andrés<br>MHL San Pedro Sula<br>M San Salvador<br>MSL P                                                                                                 | 7           | X           | X           | X                |                  | 01<br>19                                                           | 4D           | PA1<br>NPA                                           | X           | B757<br>B757                                                                                                | 1800<br>105                              | X           | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |  |    |
| JAMAICA                                                   |                                                                                                                                                                                    |             |             |             |                  |                  |                                                                    |              |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |  |    |
| MKJP KINGSTON/Norman<br>Manley Intl<br>RS                 | SKB Barranquilla<br>Q Habana<br>MUH Montego Bay<br>A Nassau<br>MKJS Port-au-Prince<br>MYN San Juan<br>N Santiago de<br>MTP Cuba<br>P Santo Domingo<br>TJSJ<br>MUC<br>U<br>MDS<br>D | 9           | R           | X           | X                |                  | 12<br>30                                                           | 4E           | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 3000<br>280                              |             | XD                    | X                | X                                                | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |  |    |
| MKJS MONTEGO<br>BAY/Sangstar Intl<br>RS                   | SKB Barranquilla<br>Q Habana<br>MUH Kingston<br>A Nassau<br>MKJP Port-au-Prince<br>MYN San Juan<br>N Santiago de<br>MTP Cuba<br>P<br>TJSJ<br>MUC<br>U                              | 9           | R           | X           | X                |                  | 07<br>25                                                           | 4E           | PA1<br>NPA                                           | X           | B747<br>B747                                                                                                | 3000<br>280                              | 2*D         | XD                    | X                | X                                                | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |  |    |
| MEXICO                                                    |                                                                                                                                                                                    |             |             |             |                  |                  |                                                                    |              |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |  |    |
| MMAA ACAPULCO/Gral. Juan<br>N. Alvarez Intl<br>RS         | MMM Mérida<br>D México<br>MMM Puerto Vallarta<br>X<br>MMP<br>R                                                                                                                     | 6<br><br>9  | R           | X           | X                |                  | 10<br>28                                                           | 4C<br><br>4E | PA1<br>PA1                                           | X<br>X      | B737<br>B737<br>- AS -<br>B747                                                                              | 3300<br>65<br>379                        | 2*D<br>2*D  | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |  |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso       | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa              | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |        |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|--------|
|                                                                 |                                                                               |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |        |
|                                                                 |                                                                               |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |        |
| 1                                                               | 2                                                                             | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |        | 13                |        |
| MMBT BAHÍAS DU<br>HUATULCO/Bahías du<br>Huatulco<br>RNS & AS    | MMA A Acapulco<br>MMG L Guadalajara<br>MMM X México<br>MMT P Tapachula        | 7           |             | X           |                  |                  | 07<br>25                                                           | 4C       | NPA<br>NPA                                           |             | B727<br>B727                                                                                                | 2500<br>77                               |             | XD                    |                  |                                                  |        | X<br>X             | L<br>L          | X | X                                           | X              | X<br>X         | X<br>X            | X<br>X | X<br>X            | X<br>X |
| MMCP CAMPECHE/Ing.<br>Alberto Acuña Ongay<br>RG                 |                                                                               | 7           |             | X           |                  |                  | 16<br>34                                                           | 4C       | NPA<br>NPA                                           |             | MD80<br>MD80                                                                                                | 2500<br>64                               |             | XD                    |                  |                                                  |        |                    | L<br>L          | X | X                                           | X              | X<br>X         | X<br>X            | X<br>X | X<br>X            | X<br>X |
| MMUN CANCÚN/Cancún Intl<br>RS                                   | MMA A Acapulco<br>MMC Z Cozumel<br>MMM D Mérida<br>MMM X México<br>KMIA Miami | 9           | R           | X           | X                |                  | 12<br>30                                                           | 4E       | PA1<br>NPA                                           | X<br>X      | B747<br>B747                                                                                                | 3500<br>379                              | 2*D         | XD                    |                  |                                                  | X<br>X |                    | L<br>L          | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X      |
| MMCM CHETUMAL/Chetumal<br>Intl<br>RS                            | MMC Z Cozumel<br>MMM D Mérida<br>MMV A Villahermosa                           | 7           |             | X           |                  |                  | 10<br>28                                                           | 4C       | NPA<br>NPA                                           |             | B727<br>B727                                                                                                | 2208<br>75                               |             | XD                    |                  |                                                  |        |                    | L<br>L          | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X<br>X |
| MMCU CHIHUAHUA/Gral.<br>Roberto Fierro<br>Villalobos Intl<br>RS | MMC S Ciudad Juárez<br>MMH O Hermosillo<br>MMT C Torreón                      | 7           | X           | X           | X                |                  | 18L<br>36R                                                         | 4C       | NPA<br>PA1                                           | X           | MD80<br>MD80                                                                                                | 2600<br>59                               | 2*          | XD                    | X                |                                                  | X<br>X |                    | L<br>L          | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X      |
| MMMC CIUDAD<br>ACUÑA/Cuidad Acuña<br>Intl<br>RG                 |                                                                               | 4           |             |             |                  |                  | 13<br>31                                                           | 3C       | NINS<br>T<br>NINS<br>T                               |             | F27<br>F27                                                                                                  | 1700<br>20                               |             |                       |                  |                                                  |        |                    | L<br>L          |   |                                             | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            |        |
| MMCS CIUDAD<br>JUÁREZ/Abraham<br>González Intl<br>RG & AS       | MMC U Chihuahua<br>MMH O Hermosillo                                           | 6           | X           | X           |                  |                  | 03<br>21                                                           | 4C       | NPA<br>NPA                                           |             | B737<br>B737                                                                                                | 2700<br>47                               |             | XD                    |                  |                                                  | X<br>X |                    | L<br>L          | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X<br>X |



| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                             | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                             | R<br>F<br>F | ATS |   |   |  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |                   |   |
|-----------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------|---------------------------------------------|-------------|-----|---|---|--|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-----|-------------------|---|
|                                                           |                                             |                                                                  |                                             |             |     |   |   |  | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     | TME<br>DIN<br>ZDD |   |
|                                                           |                                             |                                                                  |                                             |             |     |   |   |  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |
| 1                                                         |                                             | 2                                                                |                                             | 3           | 4   |   |   |  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |     | 13                |   |
| MMLP                                                      | LA PAZ/Gral. Manuel Márquez de León Intl RS | MMC L<br>MMM Z<br>MMS D                                          | Culiacán Mazatlán San José del Cabo         | 7           | X   | X | X |  | 18 36                                                              | 4D       | PA1 NPA                                              | X           | MD80 MD80                                                                                                   | 2500 59                                  | 2*D         | XD                    |                  |                                                  | X X    | L L                | X               | X | X                                           | X X            | X X            | X X               | X X | X X               | X |
| MMLO                                                      | LEÓN/Guanajuato RS                          | MMG L<br>MMM X<br>MMP R                                          | Guadalajara México Puerto Vallarta          | 7           | R   | X |   |  | 13 31                                                              | 4D       | NPA NPA                                              |             | B757 B757                                                                                                   | 102                                      |             | XD                    |                  |                                                  |        | L L                |                 |   |                                             |                |                |                   |     |                   |   |
| MMLT                                                      | LORETO/Loreto Intl RS                       | MMC L<br>MMG M<br>MML P                                          | Culiacán Guaymas La Paz                     | 6           |     | X |   |  | 16 34                                                              | 4C       | NINS T NPA                                           |             | DC9 DC9                                                                                                     | 2200 50                                  |             | XD                    |                  |                                                  |        | L L                | X               | X | X                                           | X X            | X X            | X X               | X X | X X               |   |
| MMZO                                                      | MANZANILLO/Playa de Oro Intl RS             | MMA A<br>MMZ H<br>MMP R                                          | Acapulco Ixtapa-Zihuatanejo Puerto Vallarta | 7           | X   | X |   |  | 10 28                                                              | 4C       | NPA NINS T                                           | X           | B727 B727                                                                                                   | 2200 76                                  |             | XD                    |                  |                                                  | X      | L L                | X               | X | X                                           | X X            | X X            | X X               | X X | X X               |   |
| MMMA                                                      | MATAMOROS/<br>Matamoros Intl RG & AS        | MMA N<br>MMT M                                                   | Monterrey Tampico                           | 7           | X   | X |   |  | 15 33                                                              | 4C       | NPA NPA                                              |             | MD80 MD80                                                                                                   | 2300 59                                  |             | XD                    |                  |                                                  | X      | L L                | X               | X | X                                           | X X            | X X            | X X               | X X | X X               |   |
| MMMZ                                                      | MAZATLAN/Gral. Rafael Buelna Intl RS        | MMC L<br>MMP R<br>MMS D                                          | Culiacán Puerto Vallarta San José del Cabo  | 7           | X   | X | X |  | 08 26                                                              | 4D       | NPA PA1                                              | X           | B727 B727                                                                                                   | 2700 75                                  | 2*          | XD                    |                  |                                                  | X      | L L                | X               | X | X X                                         | X X            | X X            | X X               | X X | X X               | X |
| MMMD                                                      | MERIDA/Lic. Manuel Crescencio Rejón Intl RS | MMA A<br>MMU N<br>MMV R                                          | Acapulco Cancún Veracruz                    | 8           | X   | X | X |  | 10 28                                                              | 4D       | PA1 NPA                                              | X           | DC10 DC10                                                                                                   | 2700 213                                 | 2*          | XD                    | X                |                                                  | X X    | L L                | X               | X | X                                           | X X            | X X            | X X               | X X | X X               | X |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                                                                                      | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR               |    |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-------------------|----|
|                                                           |                                                                                                                                                       |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |    |
|                                                           |                                                                                                                                                       |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |    |
| 1                                                         | 2                                                                                                                                                     | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |                   | 13 |
| MMML MEXICALI/Gral. Rodolfo Sánchez Taboada Intl RG       |                                                                                                                                                       | 7           |             | X           |                  |                  | 10 28                                                              | 4D       | NINST NPA                                            |             | B727 2700 B727 76                                                                                           |                                          | XD          |                       |                  |                                                  |        | L L                | X               | X | X                                           | X X X X X X    |                |                   |                   |    |
| MMMX MÉXICO/Lic. Benito Juárez Intl RS                    | MMA Acapulco<br>A Cozumel<br>MMC Guadalajara<br>Z Mérida<br>MMG Puerto Vallarta<br>L Tampico<br>MMM Veracruz<br>D<br>MMP<br>R<br>MMT<br>M<br>MMV<br>R | 9           | R           | X           | X                |                  | 05R 23L                                                            | 4E       | PA1 PA1                                              | X X         | B747 4200 B747 379                                                                                          | 2*D 2*D                                  | XD          |                       |                  | X X                                              | L L    | X                  | X               | X | X X X X X X                                 | X X X          |                |                   |                   |    |
|                                                           |                                                                                                                                                       |             |             |             |                  |                  | 05L 23R                                                            | 4D       | NPA NPA                                              |             | DC10-30 3340 DC10-30 369                                                                                    |                                          |             | X X                   | L L              | X                                                |        | X X X X X X        |                 |   |                                             |                |                |                   |                   |    |
|                                                           |                                                                                                                                                       |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |    |
|                                                           |                                                                                                                                                       |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |    |
| MMAN MONTERREY/Del Norte Intl RG & AS                     |                                                                                                                                                       | 6           | R           | X           |                  |                  | 02 20                                                              | 4C       | NINST NPA                                            |             | DC9-15 2011 DC9-15 41                                                                                       |                                          | XD          |                       |                  |                                                  | L L    | X                  | X               | X | X X X X X X                                 |                |                |                   |                   |    |
| MMMY MONTERREY/Gral. Mariano Escobedo Intl RS             | MMM Matamoros<br>A Tampico<br>MMT Torreón<br>M<br>MMT<br>C                                                                                            | 7           | R           | X           | X                |                  | 11 29                                                              | 4D       | NPA PA1                                              | X           | B757 3000 B757 102                                                                                          | 2*                                       | XD          |                       | X                | X                                                | L L    | X                  | X               | X | X X X X X X                                 | X X X          |                |                   |                   |    |
| MMMM MORELIA/Gral. Francisco J. Mujica Intl RS            | MMG Guadalajara<br>L México<br>MMM X                                                                                                                  | 7           | X           | X           |                  |                  | 05 23                                                              | 4D       | NPA NPA                                              |             | B757 3400 B757 102                                                                                          |                                          | XD          |                       |                  | X X                                              | L L    | X                  | X               | X | X X X X X X                                 |                |                |                   |                   |    |
| MMNG NOGALES/Nogales Intl RG                              |                                                                                                                                                       | 4           |             |             |                  |                  | 16 34                                                              | 3C       | NINST NINST                                          |             | F27 1800 F27 20                                                                                             |                                          |             |                       |                  |                                                  | L L    | X                  | X               | X | X X X X X X                                 |                |                |                   |                   |    |
| MMNL NUEVO LAREDO/ Quetzalcoatl Intl RG                   |                                                                                                                                                       | 7           | X           | X           |                  |                  | 14 32                                                              | 4C       | NPA NPA                                              |             | B727-200 2000 B727-200 82                                                                                   |                                          | XD          |                       |                  |                                                  | L L    | X                  | X               | X | X X X X X X                                 |                |                |                   |                   |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso      | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                  | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR               |    |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-------------------|----|
|                                                                |                                                                                   |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D | TME<br>DIN<br>ZDD |    |
|                                                                |                                                                                   |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |                   |    |
| 1                                                              | 2                                                                                 | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |                   | 13 |
| MMPG PIEDRAS NEGRAS/<br>Piedras Negras Intl<br>RG              |                                                                                   | 4           |             |             |                  | X                | 12<br>30                                                           | 3C       | NINS<br>T<br>NINS<br>T                               |             | F27<br>F27                                                                                                  | 1700<br>20                               |             |                       |                  |                                                  | L<br>L |                    |                 |   | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |                   |    |
| MMPR PUERTO VALLARTA/<br>Lic. Gustavo Diaz<br>Ordaz Intl<br>RS | MMA Acapulco<br>A Guadalajara<br>MMG Mazatlán<br>L México<br>MMM<br>Z<br>MMM<br>X | 7           | R           | X           | X                |                  | 04<br>22                                                           | 4D       | NPA<br>NINS<br>T                                     | X           | B757<br>B757                                                                                                | 3100<br>102                              | XD          |                       |                  | X                                                | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X                 |    |
| MMRX REYNOSA/Gral. Lucio<br>Blanco Intl<br>RG                  |                                                                                   | 6           | X           | X           |                  |                  | 13<br>31                                                           | 4C       | NINS<br>T<br>NPA                                     |             | DC9<br>DC9                                                                                                  | 1900<br>41                               | XD          |                       |                  | X                                                | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |                   |    |
| MMSF SAN FELIPE/San<br>Felipe Intl<br>RG                       |                                                                                   | 4           |             | X           |                  |                  | 14<br>32                                                           | 3C       | NINS<br>T<br>NINS<br>T                               |             | F27<br>F27                                                                                                  | 1500<br>20                               |             |                       |                  |                                                  | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |                   |    |
| MMSD SAN JOSÉ DEL<br>CABO/ San José del<br>Cabo Intl<br>RS     | MMC Culiacán<br>L La Paz<br>MML Mazatlán<br>P<br>MMM<br>Z                         | 7           | X           | X           |                  |                  | 16<br>34                                                           | 4C       | NPA<br>NPA                                           |             | B727<br>B727                                                                                                | 2200<br>82                               | XD          |                       |                  |                                                  | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |                   |    |
| MMTM TAMPICO/Gral.<br>Francisco Javier Mina<br>Intl<br>RS      | MMM Matamorros<br>A México<br>MMM Monterrey<br>X Veracruz<br>MMM<br>Y<br>MMV<br>R | 7           | X           | X           |                  |                  | 13<br>31                                                           | 4D       | PA1<br>NPA                                           | X           | B757<br>B757                                                                                                | 2500<br>102                              | 2*D XD      |                       | X<br>X           | L<br>L                                           | X      | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X                 |    |
| MMTP TAPACHULA/Tapachul<br>a Intl<br>RNS                       | MMB Bahías de<br>T Huatulco<br>MGG Guatemala<br>T San José<br>MGS<br>J            | 7           |             | X           |                  |                  | 05<br>23                                                           | 4C       | NPA<br>NPA                                           |             | B727-200<br>B727-200                                                                                        | 2000<br>87                               | XD          |                       |                  | X                                                | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X                 |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                      | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                             | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |   |    |
|-----------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|---|----|
|                                                           |                                                      |                                                                  |                                                             |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |   |    |
|                                                           |                                                      |                                                                  |                                                             |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |   |    |
| 1                                                         |                                                      | 2                                                                |                                                             | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |        |                   |   | 13 |
| MMTJ                                                      | TIJUANA/Gral.<br>Abelardo L. Rodríguez<br>Intl<br>RS | MMH<br>O<br>KLAX<br>KSA<br>N                                     | Hermosillo<br>Los Angeles<br>San Diego                      | 7           | R           | X           | X                |                  | 09<br>27                                                           | 4D       | PA1<br>NPA                                           | X           | B757<br>B757                                                                                                | 2500<br>102                              | 2*D         | XD                    |                  |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| MMTO                                                      | TOLUCA/Lic. Adolfo<br>López Mateos<br>RNS            | MMA<br>A<br>MMG<br>L<br>MMZ<br>H<br>MMM<br>X                     | Acapulco<br>Guadalajara<br>Ixtapa-<br>Zihuatanejo<br>México | 8           | R           | X           |                  |                  | 15<br>33                                                           | 4D       | PA1<br>NPA                                           | X           | L1011<br>L1011                                                                                              | 4200<br>196                              | 2*D         | XD                    |                  |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| MMTC                                                      | TORREÓN/Torreón Intl<br>RS                           | MMC<br>L<br>MMM<br>Z<br>MMM<br>Y                                 | Culiacán<br>Mazatlán<br>Monterrey                           | 7           | X           | X           |                  |                  | 12<br>30                                                           | 4C       | NPA<br>NPA                                           |             | MD80<br>MD80                                                                                                | 2250<br>59                               |             | XD                    |                  |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| MMVR                                                      | VERACRUZ/Gral.<br>Heiberto Jara Intl<br>RS           | MMA<br>A<br>MMM<br>X<br>MMT<br>M                                 | Acapulco<br>México<br>Tampico                               | 7           | X           | X           |                  |                  | 18<br>36                                                           | 4C       | NPA<br>NPA                                           |             | B727<br>B727                                                                                                | 2400<br>78                               |             | XD                    |                  |                                                  | X      | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| MMVA                                                      | VILLAHERMOSA/C.P.<br>A. Carlos Rovirosa Intl<br>RS   | MMC<br>M<br>MMM<br>D<br>MMV<br>R                                 | Chetumal<br>Mérida<br>Veracruz                              | 7           | X           | X           |                  |                  | 08<br>26                                                           | 4C       | NPA<br>NPA                                           |             | B727<br>B727                                                                                                | 2200<br>76                               |             | XD                    |                  |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| MMZC                                                      | ZACATECAS/Gral.<br>Leobardo C. Ruíz Intl<br>RS       | MMG<br>L<br>MMM<br>Z<br>MMT<br>M                                 | Guadalajara<br>Mazatlán<br>Tampico                          | 7           |             | X           |                  |                  | 02<br>20                                                           | 4C       | NPA<br>NPA                                           |             | B757<br>B757                                                                                                | 3000<br>102                              |             | XD                    |                  |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| MONTERRAT<br>(United Kingdom)                             |                                                      |                                                                  |                                                             |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |   |    |
| TRPM                                                      | PLYMOUTH/W.H.<br>Bramble, Montserrat I.<br>RS        | TNCA<br>TFFR<br>TAPA                                             | Oranjestad<br>Pointe-à-Pitre<br>Saint Johns                 | 5           | X           | X           |                  |                  | 15<br>33                                                           | 3C       | NINS<br>T<br>NINS<br>T                               |             | DH8<br>DH8                                                                                                  | 1037<br>15                               |             |                       | X                |                                                  |        | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa | R<br>F<br>F                                                                  | ATS                                                                                                     |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |     | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |                   |     |    |
|-----------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|-----|---------------------------------------------|----------------|----------------|-------------------|-----|-------------------|-----|----|
|                                                           |                                                                  |                                                                              | A<br>P<br>P                                                                                             | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B   | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     | TME<br>DIN<br>ZDD |     |    |
|                                                           |                                                                  |                                                                              |                                                                                                         |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |     |                                             |                |                |                   |     |                   |     |    |
| 1                                                         | 2                                                                | 3                                                                            | 4                                                                                                       |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |     |                                             |                |                | 12                |     |                   |     | 13 |
| NETHERLANDS ANTILLES<br>(Netherlands)                     |                                                                  |                                                                              |                                                                                                         |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |     |                                             |                |                |                   |     |                   |     |    |
|                                                           | TNCB KRALENDIJK/Flamingo, Bonaire I. RS                          | SKB Q<br>SVM I<br>SVM C<br>TNCA<br>TJSJ<br>TNC C                             | Barranquilla<br>Caracas<br>Maracaibo<br>Oranjestad<br>San Juan<br>Willemstad                            | 9           | X                | X                |                                                                    |          | 10 28                                                | 4E          | PA1 NIN<br>S T                                                                                              | X                                        | B747 B747   | 2400 270              | X                | XD                                               | X      |                    | X X             | L L | X                                           | X              | X              | X X               | X X | X X               | X   |    |
|                                                           | TNCE ORANJESTAD/F.D. Roosevelt, Saint Eustatius I. RS            | TKPK<br>TNC M<br>TAPA                                                        | Basseterre<br>Philipsburg<br>Saint Johns                                                                | 3           |                  | X                |                                                                    |          | 06 24                                                | 1B          | NIN<br>S T<br>NIN<br>S T                                                                                    |                                          | DH6 DH6     | 1300 6                |                  |                                                  |        | S S                | X               | X   | X                                           | X X            | X X            | X                 | X X | X X               | X   |    |
|                                                           | TNCM PHILIPSBURG/Princess Juliana, St. Maarten I. RS             | TFFF<br>TFFR<br>TAPA<br>TFFG<br>TJSJ<br>TQPF<br>TNC C                        | Fort-de-France<br>Pointe-à-Pitre<br>Saint Johns<br>Saint Martin<br>San Juan<br>The Valley<br>Willemstad | 9           | X                | X                |                                                                    |          | 09 27                                                | 4E          | PA1 NIN<br>S T                                                                                              | X                                        | B747 B747   | 2500 296              | 2*D              | XD                                               | X      |                    | X X             | L L | X                                           | X              | X              | X X               | X X | X X               | X X | X  |
| TNCC WILLEMSTAD/Hato, Curaçao I. RS                       | SKB Q<br>SVM I<br>TNCB<br>SVM C<br>TNCA<br>TJSJ                  | Barranquilla<br>Caracas<br>Kralendijk<br>Maracaibo<br>Oranjestad<br>San Juan | 9                                                                                                       | R           | X                |                  |                                                                    | 11 29    | 4E                                                   | PA1 NPA     | X                                                                                                           | B747 B747                                | 3500 370    | 2*D                   | XD               | X                                                |        | X X                | L L             | X   | X                                           | X              | X X            | X X               | X X | X X               | X   |    |
| NICARAGUA                                                 |                                                                  |                                                                              |                                                                                                         |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |     |                                             |                |                |                   |     |                   |     |    |
| MNMG MANAGUA/Augusto César Sandino Intl RS                | MRO C<br>MPT O<br>MNP C<br>SKSP<br>MSL P                         | Alajuela<br>Panamá<br>Puerto Cabezas<br>San Andrés<br>San Salvador           | 7                                                                                                       | X           | X                |                  |                                                                    | 09 27    | 4D                                                   | NPA PA1     | X                                                                                                           | B727 B727                                | 2442 76     | 2*                    | XD               | X                                                |        | X                  | L L             | X   | X                                           | X              | X X            | X X               | X X | X X               | X   |    |

PARAGUAY

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                          | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa                                     |                                                                                                                                                   | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |   |    |
|-----------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|---|----|
|                                                           |                                                          |                                                                                                      |                                                                                                                                                   |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |   |    |
|                                                           |                                                          |                                                                                                      |                                                                                                                                                   |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |   |    |
| 1                                                         |                                                          | 2                                                                                                    |                                                                                                                                                   | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |        |                   |   | 13 |
| SGAS                                                      | ASUNCIÓN/Silvio<br>Pettirossi<br>RS                      | SAEZ<br>SBKP<br>SBC<br>G<br>SGE<br>S<br>SAC<br>O<br>SBFI<br>SUM<br>U<br>SBPA<br>SAR<br>E<br>SBG<br>R | Buenos Aires<br>Campinas<br>Campo Grande<br>Ciudad del Este<br>Córdoba<br>Foz do Iguaçu<br>Montevideo<br>Porto Alegre<br>Resistencia<br>São Paulo | 9           | R           | X           |                  |                  | 02<br>20                                                           | 4E       | NPA<br>PA1                                           | X           | B747<br>B747                                                                                                | 3300<br>370                              | 2*D         | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| SGES                                                      | CIUDAD DEL ESTE/<br>Guaraní<br>RS                        | SGA<br>S<br>SBFL<br>SBFI<br>SARI<br>SAR<br>E                                                         | Asunción<br>Florianópolis<br>Foz do Iguaçu<br>Iguazú<br>Resistencia                                                                               | 9           | R           | X           |                  |                  | 05<br>23                                                           | 4E       | NPA<br>PA1                                           | X           | B747<br>B747                                                                                                | 3400<br>336                              | 2*          | XD                    |                  |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X            | X |    |
| PERU                                                      |                                                          |                                                                                                      |                                                                                                                                                   |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |   |    |
| SPQU                                                      | AREQUIPA/Rodríguez<br>Ballón Intl<br>AS                  | SPZ<br>O<br>SLLP<br>SPIM                                                                             | Cuzco<br>La Paz<br>Lima-Callao                                                                                                                    | 7           | R           | X           |                  |                  | 09<br>27                                                           | 4D       | PA1<br>NINS<br>T                                     | X           | B757<br>B757                                                                                                | 2980<br>100                              | XD          | XD                    |                  |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |   |    |
| SPHI                                                      | CHICLAYO/Cap. José<br>Quinoñes Gonzalez<br>AS            | SEG<br>U<br>SPQ<br>T<br>SPIM                                                                         | Guayaquil<br>Iquitos<br>Lima-Callao                                                                                                               | 8           | R           | X           |                  |                  | 18<br>36                                                           | 4D       | PA1<br>NINS<br>T                                     | X           | B767<br>B767                                                                                                | 2520<br>141                              | XD          | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |   |    |
| SPZO                                                      | CUZCO/Velazco Astete<br>RS                               | SPQ<br>U<br>SLLP<br>SPIM<br>SPS<br>O                                                                 | Arequipa<br>La Paz<br>Lima-Callao<br>Pisco                                                                                                        | 7           | R           | X           | X                |                  | 09<br>27                                                           | 4D       | NINS<br>T<br>NPA                                     |             | B757<br>B757                                                                                                | 3400<br>104                              |             | XD                    |                  |                                                  | X      | L<br>L             |                 |   | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |   |    |
| SPQT                                                      | IQUITOS/Crnel. FAP<br>Francisco Secada<br>Vignetta<br>RS | SPHI<br>SEG<br>U<br>SKLT<br>SPIM                                                                     | Chiclayo<br>Guyaquil<br>Leticia<br>Lima-Callao                                                                                                    | 8           | R           | X           |                  |                  | 06<br>24                                                           | 4D       | PA1<br>NINS<br>T                                     | X           | B767<br>B767                                                                                                | 2500<br>145                              | XD          | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X | X                 |   |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                               | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                           | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |             |                                                      |                                            |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |                   |   |    |
|-----------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------|-------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|-------------|------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-----|-------------------|---|----|
|                                                           |                                               |                                                                  |                                           |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR    | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y                                | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     | TME<br>DIN<br>ZDD |   |    |
|                                                           |                                               |                                                                  |                                           |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
| 1                                                         |                                               | 2                                                                |                                           | 3           | 4           |             |                  |                  | 5                                                                  | 6           | 7                                                    | 8                                          | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |     |                   |   | 13 |
| SPIM                                                      | LIMA-CALLAO/Jorge Chávez Intl RS              | SPQ U                                                            | Arequipa Chiclayo                         | 9           | R           | X           | X                |                  | 15 33                                                              | 4E          | PA2 NPA                                              | X                                          | B747 3507<br>B747 380                                                                                       | XD                                       | XD          | X                     |                  | X                                                | X      | L                  | X               | X | X                                           | X              | X              | X                 | X   | X                 | X | X  |
|                                                           |                                               | SPHI                                                             | Cochabamba                                | 10          |             |             |                  |                  |                                                                    | 4F          |                                                      |                                            |                                                                                                             | A3XX (YR20640)                           |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
|                                                           |                                               | SLCB                                                             | Guayaquil                                 |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
|                                                           |                                               | SEG U                                                            | Iquitos                                   |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
|                                                           |                                               | SPQ T                                                            | Pisco                                     |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
|                                                           |                                               | SPS O                                                            | Quito                                     |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
|                                                           |                                               | SEQ U                                                            | Trujillo                                  |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
|                                                           |                                               | SPR U                                                            |                                           |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
| SPSO                                                      | PISCO/Pisco AS                                | SPZ O                                                            | Cuzco Lima-Callao                         | 9           | X           | X           |                  | 03 21            | 4E                                                                 | NINST NPA   | X                                                    | B747 3020<br>B747 358                      |                                                                                                             | XD                                       | X           |                       | X                |                                                  | L      | X                  |                 | X | X                                           | X              | X              | X                 | X   | X                 | X |    |
| SPTN                                                      | TACNA/Crnel. FAP Carlos Ciriani Santa Rosa RG |                                                                  |                                           | 7           | X           | X           |                  | 02 20            | 4C                                                                 | PA1 NINST   | X                                                    | B727 2500<br>B727 71                       | XD                                                                                                          | XD                                       |             | X                     |                  | L                                                | X      |                    | X               | X | X                                           | X              | X              | X                 | X   | X                 | X |    |
| SPRU                                                      | TRUJILLO/Cap. Carlos Martínez de Pinillos AS  | SPIM                                                             | Lima-Callao                               | 7           | X           | X           |                  | 01 19            | 4C                                                                 | PA1 NINST   | X                                                    | B727 2550<br>B727 71<br>- AS -<br>B767 145 | X                                                                                                           | XD                                       |             |                       |                  | L                                                | X      |                    | X               | X | X                                           | X              | X              | X                 | X   | X                 | X |    |
| PUERTO RICO (United States)                               |                                               |                                                                  |                                           |             |             |             |                  |                  |                                                                    |             |                                                      |                                            |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |    |
| TJBQ                                                      | AGUADILLA/Rafael Hernández Intl RS            | TJPS TIST TJSJ MDS D                                             | Ponce Saint Thomas San Juan Santo Domingo | 8           |             | X           |                  | 08 26            | 4D                                                                 | PA1 NINST   | X                                                    | A300 3566<br>A300 150                      | X                                                                                                           | XD                                       |             | X                     | X                | L                                                | X      |                    | X               | X | X                                           | X              | X              | X                 | X   | X                 | X |    |
| TJFA                                                      | FAJARDO/Diego Jiménez Torres RS               | TJPS TIST TJSJ                                                   | Ponce Saint Thomas San Juan               | 2           |             | X           |                  | 08 26            | 1A                                                                 | NINST NINST |                                                      | BNI BNI                                    |                                                                                                             |                                          |             |                       |                  | S                                                | S      |                    |                 | X | X                                           | X              | X              | X                 | X   | X                 | X |    |
| TJPS                                                      | PONCE/Ponce-Mercedita AS                      | TJBQ TJFA TJSJ TJVQ                                              | Aquadilla Fajardo San Juan Vieques        | 5           | X           | X           |                  | 12 30            | 3C                                                                 | NINST NPA   |                                                      | ATR72 2104<br>ATR72 21                     |                                                                                                             | XD                                       |             |                       |                  | L                                                | L      | X                  | X               | X | X                                           | X              | X              | X                 | X   | X                 | X |    |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                           | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|----------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|-----|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
|                                                           |                                                           |                                                                  |                |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |     | TME<br>DIN<br>ZDD |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|                                                           |                                                           |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| 1                                                         |                                                           | 2                                                                |                | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |     | 13                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| TJSJ                                                      | SAN JUAN/Luis Muñoz<br>Marín Intl<br>RS                   | TJBQ                                                             | Aquadilla      | 9           | R           | X           | X                |                  | 08                                                                 | 4E       | PA1                                                  | X           | B747                                                                                                        | 3049                                     | 2*          | XD                    | X                |                                                  | X      | L                  | X               | X | X                                           | X              | X              | X                 | X   | X                 | X | X | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|                                                           |                                                           | TISX                                                             | Christiansted  |             |             |             |                  |                  | 26                                                                 |          | NPA                                                  |             | B747                                                                                                        |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             | 293            | X              | X                 | X   | X                 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |  |  |  |
|                                                           |                                                           | MKJP                                                             | Kingston       |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|                                                           |                                                           | MKJS                                                             | Montego Bay    |             |             |             |                  |                  | 10                                                                 |          | 4D                                                   |             | PA1                                                                                                         |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             | X              | L1011          | 2443              | 2*  | XD                | X | X | L | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |  |  |  |
|                                                           |                                                           | TFFR                                                             | Pointe-à-Pitre |             |             |             |                  |                  | 28                                                                 |          |                                                      |             | NINS                                                                                                        |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                | L1011          | 226               |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|                                                           |                                                           | TJPS                                                             | Ponce          |             |             |             |                  |                  |                                                                    |          |                                                      |             | T                                                                                                           |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|                                                           |                                                           | MTP                                                              | Port-au-Prince |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| P                                                         | Puerto Plata                                              |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| MDP                                                       | Saint Johns                                               |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| P                                                         | Santo Domingo                                             |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| TAPA                                                      |                                                           |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| MDS                                                       |                                                           |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| D                                                         |                                                           |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| TJVQ                                                      | VIEQUES/Antonio<br>Rivera<br>RS                           | TJPS                                                             | Ponce          | 2           |             | X           |                  |                  | 09                                                                 | 1A       | NINS                                                 |             | BNI                                                                                                         | 1036                                     |             |                       |                  |                                                  | S      | S                  |                 |   | X                                           | X              | X              | X                 | X   | X                 | X | X | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|                                                           |                                                           | TIST                                                             | Saint Thomas   |             |             |             |                  |                  | 27                                                                 |          | T                                                    |             | BNI                                                                                                         |                                          |             |                       |                  |                                                  |        |                    |                 |   | 3                                           | X              | X              | X                 | X   | X                 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |   |   |   |  |  |  |
|                                                           |                                                           | TJSJ                                                             | San Juan       |             |             |             |                  |                  |                                                                    |          | T                                                    |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| SAINT KITTS AND NEVIS                                     |                                                           |                                                                  |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| TKPK                                                      | BASSETERRE/Robert<br>L. Bradshaw, Saint<br>Kitts I.<br>RS | TKPN                                                             | Charlestown    | 7           | X           | X           |                  |                  | 07                                                                 | 4C       | NPA                                                  |             | B727-200                                                                                                    | 2750                                     |             | XD                    | X                |                                                  | X      | L                  | X               | X | X                                           | X              | X              | X                 | X   | X                 | X | X | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| TNC                                                       | Philipsburg                                               | 25                                                               | NINS           |             |             |             |                  |                  | B727-200                                                           |          | 76                                                   |             | L                                                                                                           |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             | X              | X              | X                 | X   | X                 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |  |  |  |
|                                                           |                                                           | M                                                                | Saint Johns    |             |             |             |                  |                  |                                                                    |          | T                                                    |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
|                                                           |                                                           | TAPA                                                             |                |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |
| TKPN                                                      | CHARLESTOWN/<br><br>Newcastle Nevis I.<br>RS              | TKPK                                                             | Basseterre     | 6           |             | X           |                  |                  | 10                                                                 | 4C       |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |     |                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |

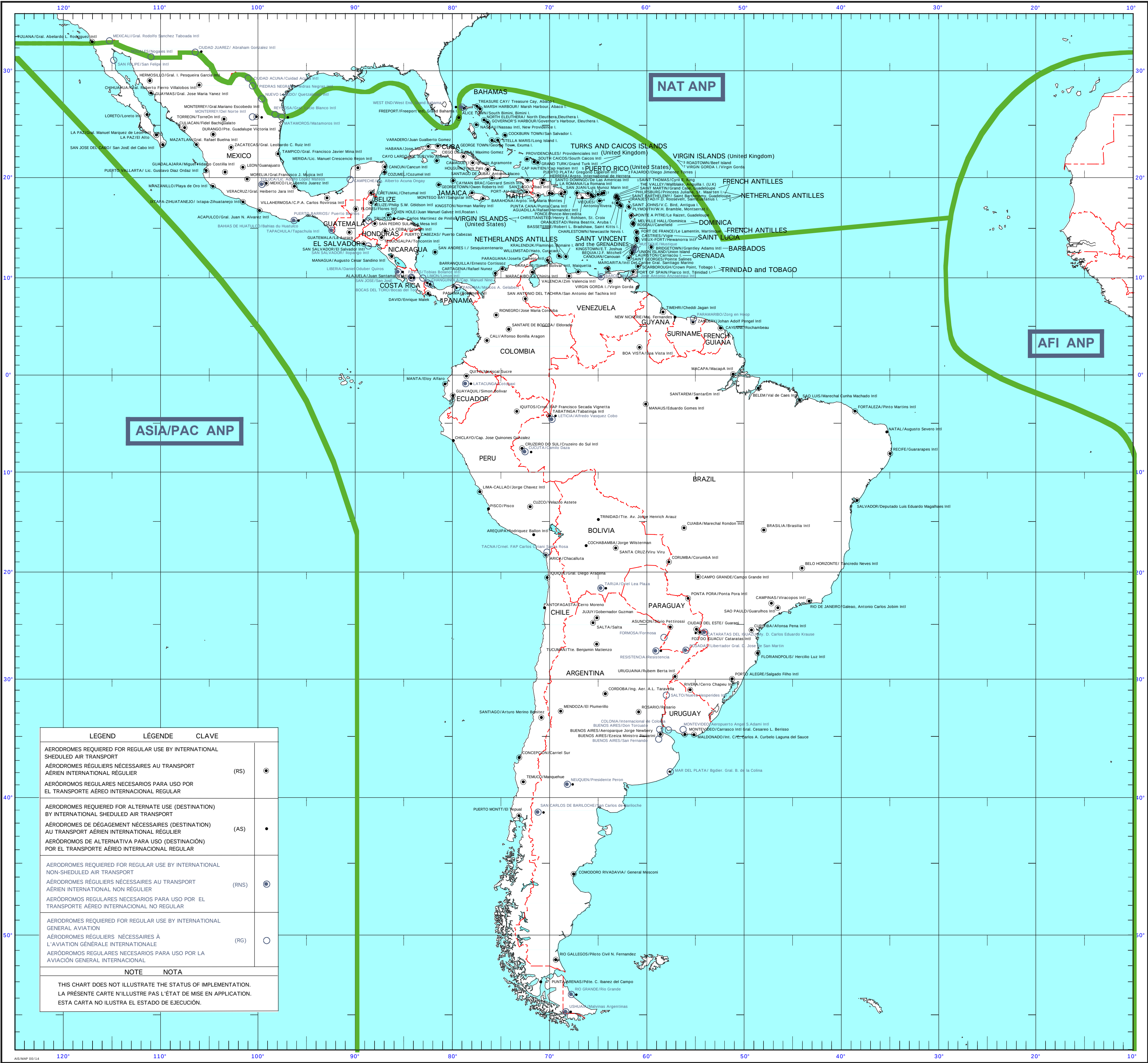


| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                           | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                                       | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |        |        |        |  |
|-----------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|--------|--------|--------|--|
|                                                           |                                           |                                                                  |                                                                                       |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |        |        |        |  |
|                                                           |                                           |                                                                  |                                                                                       |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |        |        |        |  |
| 1                                                         |                                           | 2                                                                |                                                                                       | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          |             |                       | 10               |                                                  |        |                    | 11              |   |                                             |                |                | 12                |        |                   |        | 13     |        |  |
| TTPP                                                      | PORT OF SPAIN/Piarco Intl, Trinidad I. RS | TBPB<br>SVMF<br>TFFF<br>TGP<br>Y<br>TTCP<br>TLPL                 | Bridgetown<br>Caracas<br>Fort-de-France<br>Saint Georges<br>Scarborough<br>Vieux-Fort | 9           | R           | X           | X                |                  | 10<br>28                                                           | 4E       | PA1<br>NINS<br>T                                     | X           | B747<br>B747                                                                                                | 3200<br>385                              | 2*          | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           |                | X              | X<br>X            | X<br>X | X<br>X            | X<br>X | X<br>X | X      |  |
| TTCP                                                      | SCARBOROUGH/Crown Point, Tobago I. RS     | TBPB<br>SVMF<br>TFFF<br>TTPP<br>TGP<br>Y                         | Bridgetown<br>Caracas<br>Fort-de-France<br>Port of Spain<br>Saint Georges             | 8           |             | X           |                  |                  | 11<br>29                                                           | 4D       | PA1<br>NINS<br>T                                     | X           | B767<br>B767                                                                                                | 2745<br>212                              | XD          |                       | X                |                                                  | X      | L<br>L             | X               |   | X                                           |                | X              | X<br>X            | X<br>X | X<br>X            | X<br>X | X<br>X | X      |  |
| TURKS AND CAICOS ISLANDS (United Kingdom)                 |                                           |                                                                  |                                                                                       |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |        |        |        |  |
| MBGT                                                      | GRAND TURK/Grand Turk Intl RS             | MBP<br>V<br>MDP<br>P<br>MBS<br>C                                 | Providenciales<br>Puerto Plata<br>South Caicos                                        | 5           |             | X           |                  |                  | 11<br>29                                                           | 4C       | NPA<br>NINS<br>T                                     |             | B737<br>B737                                                                                                | 1930<br>21                               |             | XD                    | X                |                                                  |        | L<br>L             | X               |   | X                                           |                | X              | X<br>X            | X<br>X | X<br>X            | X<br>X | X<br>X | X<br>X |  |
| MBPV                                                      | PROVIDENCIALES/Providenciales Intl RS     | MTC<br>H<br>MBG<br>T<br>MDP<br>P                                 | Cap Haitien<br>Grand Turk<br>Puerto Plata                                             | 7           | X           | X           |                  |                  | 10<br>28                                                           | 4C       | NPA<br>NINS<br>T                                     |             | B757<br>B757                                                                                                | 2316<br>52                               |             | XD                    | X                |                                                  | X<br>X | L<br>L             | X               |   | X                                           |                | X              | X<br>X            | X<br>X | X<br>X            | X<br>X | X<br>X | X<br>X |  |
| MBSC                                                      | SOUTH CAICOS/South Caicos Intl RS         | MTC<br>H<br>MBG<br>T<br>MBP<br>V                                 | Cap Haitien<br>Grand Turk<br>Providenciales                                           | 3           | X           | X           |                  |                  | 11<br>29                                                           | 3C       | NINS<br>T<br>NINS<br>T                               |             | SC360<br>SC360                                                                                              | 1829<br>27                               |             |                       | X                |                                                  | X<br>X | L<br>L             | X               |   | X                                           |                | X              | X<br>X            | X<br>X | X<br>X            | X<br>X | X<br>X | X<br>X |  |
| URUGUAY                                                   |                                           |                                                                  |                                                                                       |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |        |        |        |  |
| SUCA                                                      | COLONIA/Internacional de Colonia RG       |                                                                  |                                                                                       | 4           |             | X           |                  |                  | 12<br>30                                                           | 2C       | NPA<br>NPA                                           |             | ATR42<br>ATR42                                                                                              | 1370<br>25                               |             |                       | X                |                                                  |        |                    | S<br>S          |   |                                             |                |                | X<br>X            | X<br>X | X<br>X            | X<br>X | X<br>X | X<br>X |  |

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                                    | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa     |                                                                                             | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |                   |
|-----------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|-------------------|
|                                                           |                                                                    |                                                                      |                                                                                             |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        | TME<br>DIN<br>ZDD |
|                                                           |                                                                    |                                                                      |                                                                                             |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |
| 1                                                         |                                                                    | 2                                                                    |                                                                                             | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |        | 13                |
| SULS                                                      | MALDONADO/Int. C/C,<br>Carlos A. Curbelo<br>Laguna del Sauce<br>RS | SAEZ<br>SUM<br>U<br>SBPA                                             | Buenos Aires<br>Montevideo<br>Porto Alegre                                                  | 6           |             | X           |                  |                  | 08<br>26                                                           | 4C       | NPA<br>NPA                                           |             | B737<br>B737                                                                                                | 2133<br>50                               |             | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X                                           | X<br>X         | X<br>X         | X<br>X            | X<br>X |                   |
|                                                           |                                                                    |                                                                      |                                                                                             |             |             |             |                  |                  | 01<br>19                                                           |          | NPA<br>NPA                                           | X           |                                                                                                             | 1600<br>30                               |             |                       |                  |                                                  | X<br>X | L<br>L             |                 |   |                                             |                |                |                   |        |                   |
| SUAA                                                      | MONTEVIDEO/<br><br>Aeropuerto Angel S.<br><br>Adami Intl<br>RG     |                                                                      |                                                                                             | 4           |             | X           |                  |                  | 18<br>36                                                           | 2C       | NPA<br>NINS<br>T                                     | X<br>X      | ATR42<br>ATR42                                                                                              | 1250<br>23                               |             |                       | X                |                                                  | S      | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            |        |                   |
| SUMU                                                      | MONTEVIDEO/Carrasc<br>o Intl Gral. Cesáreo L.<br>Berisso<br>RS     | SGA<br>S<br>SAEZ<br>SBKP<br>SAC<br>O<br>SAZ<br>M<br>SBPA<br>SAA<br>R | Asunción<br>Buenos Aires<br>Campinas<br>Córdoba<br>Mar del Plata<br>Porto Alegre<br>Rosario | 9           | R           | X           |                  |                  | 06<br>24                                                           | 4E       | NPA<br>PA1                                           | X<br>X      | MD11<br>B747                                                                                                | 2700<br>325                              | 2*          | XD                    | X                |                                                  | X<br>X | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X      |                   |
|                                                           |                                                                    |                                                                      |                                                                                             |             |             |             |                  |                  | 10<br>28                                                           |          | NINS<br>T                                            | X<br>X      |                                                                                                             | 1700<br>13                               |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |
|                                                           |                                                                    |                                                                      |                                                                                             |             |             |             |                  |                  | 01<br>19                                                           |          | NINS<br>T<br>NPA                                     | X<br>X      |                                                                                                             | 1750<br>26                               |             |                       |                  |                                                  | L<br>L |                    |                 |   |                                             |                |                |                   |        |                   |
| SURV                                                      | RIVERA/Cerro Chapeu<br>Intl<br>RS                                  | SULS<br>SUM<br>U<br>SBPA                                             | Maldonado<br>Montevideo<br>Porto Alegre                                                     | 4           |             | X           |                  |                  | 05<br>23                                                           | 2C       | NPA<br>NPA                                           |             | ATR42<br>ATR42                                                                                              | 1600<br>16                               |             |                       | X                |                                                  | S<br>S | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         |                   |        |                   |
| SUSO                                                      | SALTO/Nueva<br>Hesperides Intl<br>RG                               |                                                                      |                                                                                             | 4           |             | X           |                  |                  | 05<br>23                                                           | 2C       | NPA<br>NPA                                           |             | ATR42<br>ATR42                                                                                              | 1600<br>31                               |             | X                     | X                |                                                  | S<br>S | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         |                   |        |                   |
| VENEZUELA                                                 |                                                                    |                                                                      |                                                                                             |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |                   |
| SVBC                                                      | BARCELONA/Gral.<br>José Antonio<br>Anzóategui Intl<br>RNS          | SVMI<br>SVM<br>C<br>SVM<br>G                                         | Caracas<br>Maracaibo<br>Margarita                                                           | 9           | X           | X           | X                |                  | 15<br>33                                                           | 4E       | PA1<br>NINS<br>T                                     | X           | B747<br>B747                                                                                                | 3000<br>210                              | 2*D         | XD                    | X                |                                                  | X      | L<br>L             | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X      |                   |

[illegible]

| City/aerodrome/use<br>French Text<br>Ciudad/aerodromo/uso |                                                 | Alternate Aerodromes<br>French Text<br>Aerodromos de alternativa |                                                                          | R<br>F<br>F | ATS         |             |                  |                  | Physical characteristics<br>French Text<br>Características físicas |          |                                                      |             |                                                                                                             | Radio aids<br>French Text<br>Radioayudas |             |                       |                  | Lighting aids<br>French Text<br>Ayudas luminosas |        |                    |                 |   | Marking aids<br>French Text<br>Señalamiento |                |                |                   | RVR    |        |   |
|-----------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------|-------------|-------------|-------------|------------------|------------------|--------------------------------------------------------------------|----------|------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------|-----------------------|------------------|--------------------------------------------------|--------|--------------------|-----------------|---|---------------------------------------------|----------------|----------------|-------------------|--------|--------|---|
|                                                           |                                                 |                                                                  |                                                                          |             | A<br>P<br>P | T<br>W<br>R | A<br>T<br>I<br>S | A<br>F<br>I<br>S | Rwy<br>no.<br>French<br>T<br>Pista<br>núm.                         | RC<br>CR | Rwy<br>type<br>French<br>Text<br>Tipo<br>de<br>pista | T<br>W<br>Y | Runway length/<br>Pavement strength<br>French<br>Text<br>Longitud de pista/<br>Resistencia del<br>pavimento | I<br>L<br>S                              | V<br>O<br>R | N<br>D<br>B<br>/<br>L | G<br>N<br>S<br>S | PS<br>AA                                         | V<br>A | R CT<br>WLD<br>YLZ | S<br>TTT<br>ECB | B | DC<br>EL<br>SM                              | TT<br>HD<br>RZ | SA<br>SM<br>TG | T H<br>W L<br>Y D |        |        |   |
|                                                           |                                                 |                                                                  |                                                                          |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |        |   |
| 1                                                         |                                                 | 2                                                                |                                                                          | 3           | 4           |             |                  |                  | 5                                                                  | 6        | 7                                                    | 8           | 9                                                                                                           |                                          | 10          |                       |                  |                                                  | 11     |                    |                 |   |                                             | 12             |                |                   |        | 13     |   |
| TUPJ                                                      | ROADTOWN/Beef Island<br>RS                      | TISX<br>TNC<br>M<br>TIST<br>TJSJ<br>TUP<br>W                     | Christiansted<br>Philipsburg<br>Saint Thomas<br>San Juan<br>Virgin Gorda | 4           |             | X           |                  |                  | 07<br>25                                                           | 3C       | NPA<br>NPA                                           |             | DH8<br>DH8                                                                                                  | 1097<br>26                               |             |                       | X                |                                                  | X      | L<br>L             | X               | X | X                                           | X              | X<br>X         | X<br>X            | X<br>X | X<br>X |   |
| TUPW                                                      | VIRGIN GORDA I./Virgin Gorda<br>RS              | TISX<br>TUPJ<br>TIST<br>TJSJ                                     | Christiansted<br>Roadtown<br>Saint Thomas<br>San Juan                    | 2           |             | X           |                  |                  | 03<br>21                                                           | 1B       | NINS<br>T<br>NINS<br>T                               |             | DH6<br>DH6                                                                                                  | 945<br>12                                |             |                       |                  |                                                  | S<br>S |                    |                 |   | X<br>X                                      | X<br>X         | X              |                   |        |        |   |
| VIRGIN ISLANDS<br>(United States)                         |                                                 |                                                                  |                                                                          |             |             |             |                  |                  |                                                                    |          |                                                      |             |                                                                                                             |                                          |             |                       |                  |                                                  |        |                    |                 |   |                                             |                |                |                   |        |        |   |
| TISX                                                      | CHRISTIANSTED/Henry E. Rohlsen, St. Croix<br>RS | TNC<br>M<br>TIST<br>TJSJ<br>MDS<br>D<br>TJVQ                     | Philipsburg<br>Saint Thomas<br>San Juan<br>Santo Domingo<br>Vieques      | 7           | X           | X           |                  |                  | 09<br>27                                                           | 4D       | PA1<br>NPA                                           | X           | B757<br>B757                                                                                                | 2320<br>102                              | 2*          | XD                    | X                | X<br>X                                           | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X | X<br>X | X |
| TIST                                                      | SAINT THOMAS/Cyril E. King<br>RS                | TISX<br>TJSJ<br>TJVQ                                             | Christiansted<br>San Juan<br>Vieques                                     | 7           | X           | X           | X                |                  | 10<br>28                                                           | 4D       | PA1<br>NINS<br>T                                     | X           | B757<br>B757                                                                                                | 2134<br>102                              | X           | XD                    |                  | X<br>X                                           | L<br>L | X                  | X               | X | X<br>X                                      | X<br>X         | X<br>X         | X<br>X            | X<br>X | X      |   |



| LEGEND                                                                                       | LÉGENDE                                                                                       | CLAVE   |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------|
| AERODROMES REQUIRED FOR REGULAR USE BY INTERNATIONAL SCHEDULED AIR TRANSPORT                 | AÉRODROMES RÉGULIERS NÉCESSAIRES AU TRANSPORT AÉRIEN INTERNATIONAL RÉGULIER                   | (RS) ●  |
| AERODROMES REQUIRED FOR ALTERNATE USE (DESTINATION) BY INTERNATIONAL SCHEDULED AIR TRANSPORT | AÉRODROMES DE DÉGAGEMENT NÉCESSAIRES (DESTINATION) AU TRANSPORT AÉRIEN INTERNATIONAL RÉGULIER | (AS) •  |
| AERODROMES REQUIRED FOR REGULAR USE BY INTERNATIONAL NON-SCHEDULED AIR TRANSPORT             | AÉRODROMES RÉGULIERS NÉCESSAIRES AU TRANSPORT AÉRIEN INTERNATIONAL NON RÉGULIER               | (RNS) ● |
| AERODROMES REQUIRED FOR REGULAR USE BY INTERNATIONAL GENERAL AVIATION                        | AÉRODROMES RÉGULIERS NÉCESSAIRES À L'AVIATION GÉNÉRALE INTERNATIONALE                         | (RG) ○  |
| NOTE                                                                                         |                                                                                               |         |
| THIS CHART DOES NOT ILLUSTRATE THE STATUS OF IMPLEMENTATION.                                 |                                                                                               |         |
| LA PRÉSENTE CARTE N'ILLUSTRE PAS L'ÉTAT DE MISE EN APPLICATION.                              |                                                                                               |         |
| ESTA CARTA NO ILUSTRAR EL ESTADO DE EJECUCIÓN.                                               |                                                                                               |         |

## Part IV

# COMMUNICATIONS, NAVIGATION AND SURVEILLANCE (CNS) — FASID

### INTRODUCTION

1. The Standards, Recommended Practices and procedures to be applied and related guidance material are as listed in 1 to 4, Part IV — CNS of the Caribbean/South American (CAR/SAM) Basic ANP. The material in this part complements that contained in Part I — Statement of Basic Operational Requirements and Planning Criteria of the Basic ANP and should be taken into consideration in the overall planning processes for the CAR/SAM regions.

2. This part contains the details of the facilities and services to be provided to fulfill the basic requirements of the plan and are as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. This element of the FASID, in conjunction with the CAR/SAM ANP, is kept under constant review by GREPECAS in accordance with its schedule of management, in consultation with user and provider States and with the assistance of the ICAO North American, Central American and Caribbean (NACC) Office and the South American (SAM) Office.

## Table CNS 1A — Tableau CNS 1A — Tabla CNS 1A

### AFTN PLAN

French

Spanish

### EXPLANATION OF THE TABLE

#### Column

|          |                                                                                                                                                                                                                                                                                                                                                                                                |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1        | <p>The AFTN Centres/Stations of each State are listed alphabetically. Each circuit appears twice in the table. The categories of these facilities are as follows:</p> <p>M — Main AFTN COM Centre<br/> T — Tributary AFTN COM Centre<br/> S — AFTN Station</p>                                                                                                                                 |
| 2        | <p>Category of circuit:</p> <p>M — Main trunk circuit connecting Main AFTN communication centres.<br/> T — Tributary circuit connecting Main AFTN communication centre and Tributary AFTN Communications Centre.<br/> S — AFTN circuit connecting an AFTN Station to an AFTN Communication Centre.</p>                                                                                         |
| 3 and 7  | <p>Type of circuit provided:</p> <p>LTT/a — Landline teletypewriter, analogue (e.g. cable, microwave)<br/> LTT/d — Landline teletypewriter, digital (e.g. cable, microwave)<br/> LDD/a — Landline data circuit, analogue (e.g. cable, microwave)<br/> LDD/d — Landline data circuit, digital (e.g. cable, microwave)<br/> SAT/a/d — Satellite link, with /a for analogue or /d for digital</p> |
| 4 and 8  | Circuit signalling speed, current or planned in bits/s.                                                                                                                                                                                                                                                                                                                                        |
| 5 and 9  | Circuit protocols, current or planned.                                                                                                                                                                                                                                                                                                                                                         |
| 6 and 10 | <p>Data transfer code (syntax), current or planned:</p> <p>ITA-2 — International Telegraph Alphabet No. 2 (5-unit Baudot code).<br/> IA-5 — International Alphabet No. 5 (ICAO 7-unit code).<br/> CBI — Code and Byte Independency (ATN compliant).</p>                                                                                                                                        |
| 11       | <p>Target date of implementation</p> <p>TBD — To be determined</p>                                                                                                                                                                                                                                                                                                                             |

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## 12 Remarks

*Note 1.— Due to loading factor considerations, 150 bits/s is required as minimum.*

MEVA — Central Caribbean MEVA Satellite Digital Network

E/CAR — Eastern Caribbean Digital Network

REDDIG — SAM Digital Network

## EXPLICACIÓN DE LA TABLA

## Columna

1 Los Centros/Estaciones AFTN de cada Estado son listados alfabéticamente. Cada circuito aparece dos veces en la Tabla. La categoría de estas facilidades son las siguientes:

M — Centro principal AFTN COM, instalación en conmutador automático AFTN.

T — Centro tributario AFTN COM.

S — Estación AFTN.

2 Categoría del circuito:

M — Circuito troncal principal conectando los centros principales de comunicaciones AFTN.

T — Circuito tributario conectando el centro principal de comunicaciones AFTN. Y las estaciones AFTN para enviar o retransmitir el tráfico AFTN.

S — Circuito AFTN utilizado para transmitir y recibir el tráfico AFTN hacia y desde un centro de comunicaciones AFTN principal o tributario directamente conectado a éste y que no envía tráfico AFTN excepto con el propósito de servir a la(s) estación(es) nacional(es).

3 y 7 Tipo de circuito proporcionado:

LTT/a — Circuito telegráfico terrestre, analógico (eg. cable, microonda)

LTT/d — Circuito telegráfico terrestre, digital (eg. cable, microonda)

LDD/a — Circuito de datos terrestre, analógico (eg. cable, microonda)

LDD/d — Circuito de datos terrestre, digital (eg. cable, microonda)

SAT/a/d — Circuito satélite. También utiliza /a para analógico o /d para digital.

4 y 8 Velocidad de señalización del circuito, actual o planificado en bps.

5 y 9 Protocolos de los circuitos, actuales o planificados.

6 y 10 Código de transferencia de datos (sintaxis), actual o planificado.

ITA-2 — Alfabeto Telegráfico Internacional No. 2 (Código Baudot).

IA-5 — Alfabeto Internacional No. 5 (OACI 7 - código de unidades).

CBI — Procedimiento independiente de códigos y multietos (cumple con la ATN).

11 Fecha de implantación

TBD — A ser determinado.

12 Observaciones

*Nota 1.— Por razones de factor de carga se requiere 150 bps mínimo*

MEVA — Red Digital Satelital MEVA del Caribe Central

E/CAR — Red Digital del Caribe Este

REDDIG — Red Digital SAM

---

[illegible]

| State/Station<br>French<br>Estado/Estación |                           | Current<br>Fr<br>Actual |                                                        |                     |                | Planned<br>Fr<br>Planificado |                                                  |                     |                |                                                              | Remarks<br>Fr<br>Observaciones |  |
|--------------------------------------------|---------------------------|-------------------------|--------------------------------------------------------|---------------------|----------------|------------------------------|--------------------------------------------------|---------------------|----------------|--------------------------------------------------------------|--------------------------------|--|
|                                            | Cat.<br>French<br>Spanish | Type<br>Tipo            | Signalling<br>speed<br>Fr<br>Velocidad<br>Señalización | Procotol<br>Procolo | Code<br>Código | Type<br>Tipo                 | Signalling<br>speed<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código | Target date<br>implementation<br>Fr<br>Fecha<br>implantación |                                |  |
| 1                                          | 2                         | 3                       | 4                                                      | 5                   | 6              | 7                            | 8                                                | 9                   | 10             | 11                                                           | 12                             |  |
| Asunción                                   | T                         | SAT/a                   | 50 (1)                                                 | None                | ITA-2          | LTT/a                        | 300                                              | None                | IA-5           | TBD                                                          | REDDIG                         |  |
| Buenos Aires                               | M                         | SAT/a                   | 300                                                    | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |  |
| Caracas                                    | M                         | SAT/a                   | 300                                                    | None                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |  |
| Cayenne                                    | T                         | SAT/a                   | 50                                                     | None                | ITA-2          | SAT/a                        | 150                                              | None                | IA-5           | TBD                                                          |                                |  |
| Dakar                                      | M                         | LTT/a                   | 50                                                     | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |  |
| Lima                                       | M                         | SAT/a                   | 300                                                    | None                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |  |
| Madrid                                     | M                         | SAT/d                   | 9600                                                   | X25                 | IA-5           | SAT/d                        | 9600                                             | X25                 | IA-5           | I                                                            |                                |  |
| Montevideo                                 | T                         | LTT/a                   | 50 (1)                                                 | None                | ITA-2          | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |  |
| Paramaribo                                 | T                         |                         |                                                        |                     |                | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |  |
| United States                              | M                         | SAT/a                   | 2400                                                   | COP                 | IA-5           | SAT/d                        | 9600                                             | X25                 | IA-5           | 11/99                                                        |                                |  |
| CAYMAN IS.                                 |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |  |
| Cayman-S<br>Kingston                       | S                         | LTT/a                   | 75                                                     | None                | ITA-2          | SAT                          | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |  |
| CHILE                                      |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |  |
| Santiago-M<br>Brisbane                     | M                         |                         |                                                        |                     |                | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |  |
| Buenos Aires                               | M                         | SAT/a                   | 50                                                     | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |  |
| Christchurch                               | T                         | SAT/a                   | 50                                                     | None                | ITA-2          |                              |                                                  |                     |                |                                                              |                                |  |
| Lima                                       | M                         | LTT/a                   | 300                                                    | None                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |  |
| COLOMBIA                                   |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |  |
| Bogotá-T<br>Caracas                        | T                         | SAT/a                   | 150                                                    | None                | ITA-2          | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |  |
| Guayaquil                                  | T                         | LTT/a                   | 50 (1)                                                 | None                | ITA-2          | SAT/d                        | 300                                              | None                | IA-5           | TBD                                                          |                                |  |
| Lima                                       | T                         | SAT/a                   | 300                                                    | None                | ITA-2          | SAT/d                        | 300                                              | None                | IA-5           | TBD                                                          |                                |  |
| Panama                                     | T                         |                         |                                                        |                     |                |                              | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |  |
| COSTA RICA                                 |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |  |
| San Jose-T<br>Centro America               | T                         | LTT/a                   | 9600                                                   | None                | IA-5           | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          | MEVA                           |  |
| CUBA                                       |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |  |
| Habana-T<br>Mexico                         | T                         | SAT/a                   | 75                                                     | None                | ITA-2          | SAT/d                        | 2400                                             | None                | IA-5           | TBD                                                          |                                |  |
| United States                              | T                         | LTT/a                   | 75                                                     | None                | ITA-2          | SAT/d                        | 9600                                             | X25                 | IA-5           | 12/99                                                        |                                |  |
| DOMINICA                                   |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |  |
| Dominica-S<br>Port of Spain                | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 12/99                                                        | E/CAR                          |  |

| State/Station<br>French<br>Estado/Estación                               | Cat.<br>French<br>Spanish | Current<br>Fr<br>Actual |                                                        |                     |                | Planned<br>Fr<br>Planificado |                                                  |                     |                | Target date<br>implementation<br>Fr<br>Fecha<br>implantación | Remarks<br>Fr<br>Observaciones |
|--------------------------------------------------------------------------|---------------------------|-------------------------|--------------------------------------------------------|---------------------|----------------|------------------------------|--------------------------------------------------|---------------------|----------------|--------------------------------------------------------------|--------------------------------|
|                                                                          |                           | Type<br>Tipo            | Signalling<br>speed<br>Fr<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código | Type<br>Tipo                 | Signalling<br>speed<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código |                                                              |                                |
| 1                                                                        | 2                         | 3                       | 4                                                      | 5                   | 6              | 7                            | 8                                                | 9                   | 10             | 11                                                           | 12                             |
| <b>DOMINICAN REPUBLIC</b><br>Santo Domingo-T<br>United States            | T                         | SAT/d                   | 9600                                                   | X25                 | IA-5           |                              |                                                  |                     |                | I                                                            | MEVA                           |
| <b>ECUADOR</b><br>Guayaquil-T                                            |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Bogota                                                                   | T                         | LTT/a                   | 50 (1)                                                 | None                | ITA-2          | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| Lima                                                                     | T                         | LTT/a                   | 300                                                    | None                | ITA-2          | SAT/d                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| <b>EL SALVADOR</b><br>San Salvador-T<br>Centro America                   | T                         | LTT/a                   | 9600                                                   | None                | ITA-2          | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| <b>FRENCH ANTILLES (GUADELOUPE)</b><br>Pointe-a-Pitre-S<br>Port of Spain | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| <b>FRENCH ANTILLES (MARTINIQUE)</b><br>Fort-de-France-S<br>Port of Spain | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| <b>FRENCH GUIANA</b><br>Cayenne-T<br>Brasilia                            | T                         | SAT/a                   | 50                                                     | None                | ITA-2          | SAT/a                        | 150                                              | None                | IA-5           | TBD                                                          |                                |
| <b>GRENADA</b><br>Grenada-S<br>Port of Spain                             | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| <b>GUATEMALA</b><br>Guatemala-T<br>Centro America                        | T                         | LTT/a                   | 9600                                                   | None                | ITA-2          | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| <b>GUYANA</b><br>Georgetown-S<br>Port of Spain                           | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | TBD                                                          | E/CAR                          |
| <b>HAITI</b><br>Port-au-Prince-T<br>United States                        | T                         | SAT/d                   | 2400                                                   | X25                 | IA-5           |                              |                                                  |                     |                | I                                                            | MEVA                           |

| State/Station<br>French<br>Estado/Estación | Cat.<br>French<br>Spanish | Current<br>Fr<br>Actual |                                                        |                    |                | Planned<br>Fr<br>Planificado |                                                  |                     |                | Target date<br>implementation<br>Fr<br>Fecha<br>implantación | Remarks<br>Fr<br>Observaciones |
|--------------------------------------------|---------------------------|-------------------------|--------------------------------------------------------|--------------------|----------------|------------------------------|--------------------------------------------------|---------------------|----------------|--------------------------------------------------------------|--------------------------------|
|                                            |                           | Type<br>Tipo            | Signalling<br>speed<br>Fr<br>Velocidad<br>Señalización | Proctol<br>Procolo | Code<br>Código | Type<br>Tipo                 | Signalling<br>speed<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código |                                                              |                                |
| 1                                          | 2                         | 3                       | 4                                                      | 5                  | 6              | 7                            | 8                                                | 9                   | 10             | 11                                                           | 12                             |
| <b>HONDURAS</b>                            |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Centro America-M                           |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Belize                                     | T                         | LTT/a                   | 9600                                                   | None               | IA-5           | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| Guatemala                                  | T                         | LTT/a                   | 9600                                                   | None               | IA-5           | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| Managua                                    | T                         | LTT/a                   | 9600                                                   | None               | IA-5           | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| Mexico                                     | M                         | LTT/a                   | 110                                                    | None               | IA-5           | LLT/d                        | 9600                                             | X25                 | IA-5           | TBD                                                          |                                |
| San Jose                                   | T                         | LTT/a                   | 9600                                                   | None               | IA-5           | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| San Salvador                               | T                         | LTT/a                   | 9600                                                   | None               | IA-5           | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| United States                              | M                         | LTT/a                   | 300                                                    | 85A2               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| <b>JAMAICA</b>                             |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Kingston-T                                 |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| United States                              | T                         | SAT/a                   | 300                                                    | COP                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| Cayman Is.                                 | S                         | LTT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | MEVA                           |
| <b>MEXICO</b>                              |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Mexico-M                                   |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Centro America                             | M                         | LTT/a                   | 110                                                    | None               | IA-5           | LLT/d                        | 9600                                             | X25                 | IA-5           | TBD                                                          |                                |
| Habana                                     | T                         | SAT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 2400                                             | None                | IA-5           | TBD                                                          |                                |
| United States                              | M                         | LTT/a                   | 600                                                    | COP                | IA-5           | SAT/d                        | 9600                                             | X25                 | IA-5           | 11/99                                                        | ARINC                          |
| <b>MONTSERRAT</b>                          |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Montserrat-S                               |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Port of Spain                              | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| <b>NETHERLANDS<br/>ANTILLES</b>            |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Curacao-T                                  |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Aruba                                      | S                         | LTT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | MEVA                           |
| United States                              | T                         | LTT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| <b>NICARAGUA</b>                           |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Managua-T                                  |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Centro America                             | T                         | LTT/a                   | 9600                                                   | None               | IA-5           | SAT/d                        | 9600                                             | None                | IA-5           | TBD                                                          |                                |
| <b>PANAMA</b>                              |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Panama-T                                   |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Bogota                                     | T                         |                         |                                                        |                    |                |                              | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |
| United States                              | T                         | SAT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |

| State/Station<br>French<br>Estado/Estación | Cat.<br>French<br>Spanish | Current<br>Fr<br>Actual |                                                        |                     |                | Planned<br>Fr<br>Planificado |                                                  |                     |                | Target date<br>implementation<br>Fr<br>Fecha<br>implantación | Remarks<br>Fr<br>Observaciones |
|--------------------------------------------|---------------------------|-------------------------|--------------------------------------------------------|---------------------|----------------|------------------------------|--------------------------------------------------|---------------------|----------------|--------------------------------------------------------------|--------------------------------|
|                                            |                           | Type<br>Tipo            | Signalling<br>speed<br>Fr<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código | Type<br>Tipo                 | Signalling<br>speed<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código |                                                              |                                |
| 1                                          | 2                         | 3                       | 4                                                      | 5                   | 6              | 7                            | 8                                                | 9                   | 10             | 11                                                           | 12                             |
| <b>PARAGUAY</b>                            |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Asunción-T                                 |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Brasilia                                   | T                         | SAT/a                   | 50 (1)                                                 | None                | ITA-2          | LTT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| Buenos Aires                               | T                         | LTT/a                   | 50 (1)                                                 | None                | ITA-2          | LTT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| <b>PERU</b>                                |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Lima-M                                     |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Bogotá                                     | T                         | SAT/a                   | 300                                                    | None                | ITA-2          | SAT/d                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| Brasilia                                   | M                         | SAT/a                   | 300                                                    | None                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |
| Buenos Aires                               | M                         | SAT/a                   | 150x2                                                  | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |
| Caracas                                    | M                         | SAT/d                   | 9600                                                   | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |
| Guayaquil                                  | T                         | LTT/a                   | 300                                                    | None                | ITA-2          | SAT/d                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| La Paz                                     | T                         | LTT/a                   | 300                                                    | None                | ITA-2          | SAT/d                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| Santiago                                   | M                         | LTT/a                   | 300                                                    | None                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |
| United States                              | M                         | SAT/d                   | 9600                                                   | X25                 | IA-5           |                              |                                                  |                     |                |                                                              |                                |
| <b>SAINT KITTS AND NEVIS</b>               |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Saint Kitts and Nevis-S                    |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Port of Spain                              | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| <b>SAINT LUCIA</b>                         |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Saint Lucia-S                              |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Port of Spain                              | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| <b>SAINT VINCENT AND THE GRENADINES</b>    |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Saint Vincent-S                            |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Port of Spain                              | S                         | LTT/a                   | 75                                                     | None                | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| <b>SAINT MAARTEN</b>                       |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Saint Maarten-S                            |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| United States                              | S                         | SAT/a                   | 2400                                                   | X25                 | IA-5           | SAT/a                        | 2400                                             | X25                 | IA-S           | 11/99                                                        | E/CAR                          |
| <b>SURINAME</b>                            |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Paramaribo-T                               |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Brasilia                                   | T                         |                         |                                                        |                     |                | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| Caracas                                    | T                         | SAT/a                   | 75 (1)                                                 | None                | ITA-2          | SAT/a                        | 150                                              | None                | IA-5           | TBD                                                          |                                |
| <b>TORTOLA</b>                             |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Tortola                                    |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| United States                              | S                         |                         |                                                        |                     |                | LTT                          | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |

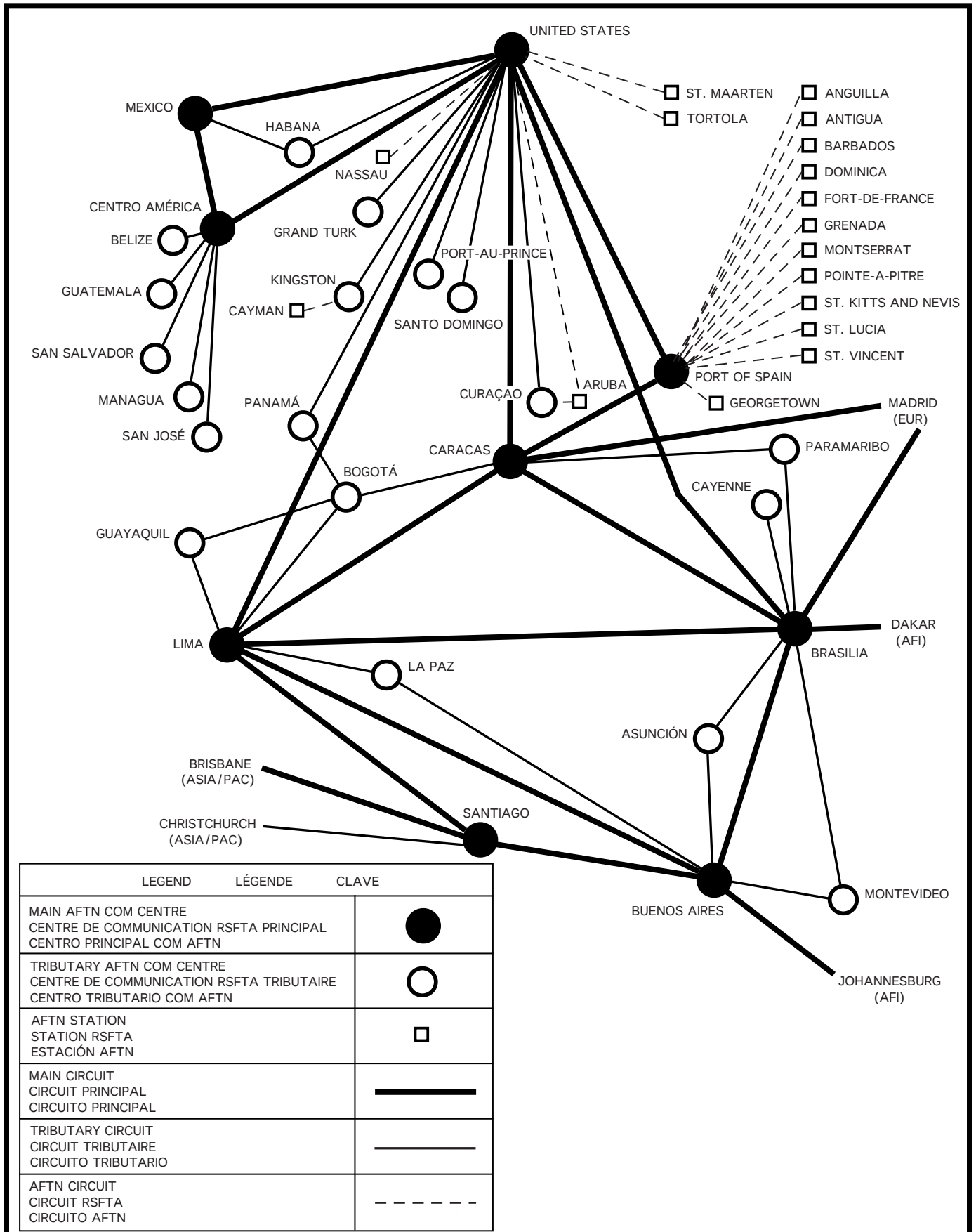
| State/Station<br>French<br>Estado/Estación | Cat.<br>French<br>Spanish | Current<br>Fr<br>Actual |                                                        |                    |                | Planned<br>Fr<br>Planificado |                                                  |                     |                | Target date<br>implementation<br>Fr<br>Fecha<br>implantación | Remarks<br>Fr<br>Observaciones |
|--------------------------------------------|---------------------------|-------------------------|--------------------------------------------------------|--------------------|----------------|------------------------------|--------------------------------------------------|---------------------|----------------|--------------------------------------------------------------|--------------------------------|
|                                            |                           | Type<br>Tipo            | Signalling<br>speed<br>Fr<br>Velocidad<br>Señalización | Proctol<br>Procolo | Code<br>Código | Type<br>Tipo                 | Signalling<br>speed<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código |                                                              |                                |
| 1                                          | 2                         | 3                       | 4                                                      | 5                  | 6              | 7                            | 8                                                | 9                   | 10             | 11                                                           | 12                             |
| <b>TRINIDAD AND TOBAGO</b>                 |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Port of Spain-M                            |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Anguilla                                   | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Antigua                                    | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Barbados                                   | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           |                                                              | E/CAR                          |
| Caracas                                    | M                         | LTT/a                   | 300                                                    | None               | ITA-2          | LTT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |
| Dominica                                   | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Fort-de-France                             | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Georgetown                                 | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | TBD                                                          | E/CAR                          |
| Grenada                                    | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Montserrat                                 | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Pointe-à-Pitre                             | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Saint Kitts and Nevis                      | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Saint Lucia                                | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Saint Vincent                              | S                         | LTT/a                   | 75                                                     | None               | ITA-2          |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| United States                              | M                         | LTT                     | 2400                                                   | X.25               | IA-5           |                              |                                                  |                     |                |                                                              | E/CAR                          |
| <b>TURKS AND CAICOS ISLANDS</b>            |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Grand Turk-T                               |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| United States                              | T                         | LLT/d                   | 2400                                                   | X25                | IA-5           |                              |                                                  |                     |                | I                                                            |                                |
| <b>UNITED STATES</b>                       |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| United States-M                            |                           |                         |                                                        |                    |                |                              |                                                  |                     |                |                                                              |                                |
| Aruba                                      | S                         |                         |                                                        |                    |                | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | MEVA                           |
| Brasilia                                   | M                         | SAT/a                   | 2400                                                   | COP                | IA-5           | SAT/d                        | 9600                                             | X25                 | IA-5           | 11/99                                                        |                                |
| Caracas                                    | M                         | LTT/d                   | 600                                                    | None               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |
| Centro America                             | M                         | LTT/a                   | 300                                                    | 85A2               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| Curacao                                    | T                         | LTT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| Grand Turk                                 | T                         | LLT/d                   | 2400                                                   | X25                | IA-5           |                              |                                                  |                     |                |                                                              |                                |
| La Habana                                  | T                         | LTT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 9600                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| Kingston                                   | T                         | SAT/a                   | 300                                                    | COP                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| Lima                                       | M                         | SAT/d                   | 9600                                                   | X25                | IA-5           |                              |                                                  |                     |                |                                                              |                                |
| Mexico                                     | M                         | LTT/a                   | 600                                                    | COP                | IA-5           | SAT/d                        | 9600                                             | X25                 | IA-5           | 11/99                                                        | ARINC                          |
| Nassau                                     | S                         | LTT/a                   | 75                                                     | 83B3               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        |                                |
| Panama                                     | T                         | SAT/a                   | 75                                                     | None               | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| Port-au-Prince                             | T                         | SAT/d                   | 2400                                                   | X25                | IA-5           |                              |                                                  |                     |                |                                                              | MEVA                           |
| Port of Spain                              | M                         | LTT                     | 2400                                                   | X.25               | IA-5           |                              |                                                  |                     |                | I                                                            | E/CAR                          |
| Saint Maarten                              | S                         | SAT/d                   | 2400                                                   | X25                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | 11/99                                                        | MEVA                           |
| Santo Domingo                              | T                         | SAT/d                   | 9600                                                   | X25                | IA-5           |                              |                                                  |                     |                | I                                                            | MEVA                           |
| Tortola                                    | S                         |                         |                                                        |                    |                | LTT                          | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |

| State/Station<br>French<br>Estado/Estación |                           | Current<br>Fr<br>Actual |                                                        |                     |                | Planned<br>Fr<br>Planificado |                                                  |                     |                |                                                              | Remarks<br>Fr<br>Observaciones |
|--------------------------------------------|---------------------------|-------------------------|--------------------------------------------------------|---------------------|----------------|------------------------------|--------------------------------------------------|---------------------|----------------|--------------------------------------------------------------|--------------------------------|
|                                            | Cat.<br>French<br>Spanish | Type<br>Tipo            | Signalling<br>speed<br>Fr<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código | Type<br>Tipo                 | Signalling<br>speed<br>Velocidad<br>Señalización | Protocol<br>Procolo | Code<br>Código | Target date<br>implementation<br>Fr<br>Fecha<br>implantación |                                |
| 1                                          | 2                         | 3                       | 4                                                      | 5                   | 6              | 7                            | 8                                                | 9                   | 10             | 11                                                           | 12                             |
| <b>URUGUAY</b>                             |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Montevideo-T                               |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Buenos Aires                               | T                         | LTT/a                   | 50                                                     | None                | ITA-2          | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| Brasilia                                   | T                         | LTT/a                   | 50                                                     | None                | ITA-2          | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          | Note/Nota 2                    |
| <b>VENEZUELA</b>                           |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Caracas-M                                  |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Bogotá                                     | T                         | SAT/a                   | 150                                                    | None                | ITA-2          | SAT/a                        | 300                                              | None                | IA-5           | TBD                                                          |                                |
| Brasilia                                   | M                         | SAT/a                   | 300                                                    | None                | IA-5           | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |
| Lima                                       | M                         | SAT/d                   | 9600                                                   | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          | REDDIG                         |
| Madrid                                     | M                         | SAT/a                   | 1200                                                   | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |
| Paramaribo                                 | T                         | SAT/a                   | 75(1)                                                  | None                | ITA-2          | SAT/a                        | 150                                              | None                | IA-5           | TBD                                                          |                                |
| Port of Spain                              | M                         | LTT/a                   | 300                                                    | None                | ITA-2          | LLT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |
| United States                              | M                         | LTT/d                   | 600                                                    | None                | ITA-2          | SAT/d                        | 2400                                             | X25                 | IA-5           | TBD                                                          |                                |
| <b>VIRGIN ISLANDS</b>                      |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| Tortola-S                                  |                           |                         |                                                        |                     |                |                              |                                                  |                     |                |                                                              |                                |
| United States                              | S                         |                         |                                                        |                     |                |                              | 2400                                             | X25                 | IA-5           | 11/99                                                        | E/CAR                          |

RATIONALIZED AFTN PLAN FOR CAR/SAM REGIONS  
 PLAN DU RSFTA RATIONALISÉ POUR LES RÉGIONS CAR/SAM  
 PLAN RACIONALIZADO AFTN PARA LAS REGIONES CAR/SAM

CAR/SAM FASID

CHART CNS 1



# Table CNS 1B — Tableau CNS 1B — Tabla CNS 1B

ATN PLAN— PLAN ATN — PLAN ATN

## EXPLANATION OF THE TABLE

### Column

- 1 Name of the States/stations or locations of an ATN Routing Domain:  
  
CAM — Central American Sub-Region  
C-CAR — Central Caribbean Sub-Region  
E-CAR — Eastern Caribbean Sub-Region  
SAM — South American Region
  - 2 ATN applications (in end systems (ES) of the State shown in column 1):  
  
AIDC — ATS Interfacility Data Communication  
AMHS — Aeronautical Message Handling System  
*Note.— AMHS/S denotes an AMHS server.*
  - 3 ATN router type to be implemented at the location shown in column 1:  
  
BIS — Boundary Intermediate System (router) performing Inter Domain Routing Protocol (IDRP)  
IS — Intermediate System (router) without IDRP.
  - 4 ATN Routing Domain Address Prefix.
  - 5 AFTN/AMHS gateway to be implemented at the location shown in column 1.
  - 6 List of States routers to be connected with the router of column 3.
  - 7 The means of connecting the routers of columns 6 and 3:  
  
COCESNA — COCESNA digital network  
E-CAR — E-CAR digital network  
MEVA — MEVA digital network  
REDDIG — REDDIG digital network  
DIR — Leased direct circuit
  - 8 Date of implementation of the ATN facilities and applications, listed in columns 2, 3 and 5.
  - 9 Remarks.
-

EXPLICATION DU TABLEAU

## EXPLICACION DE LA TABLA

*Columna*

- 1 Nombre de los Estados /estaciones o localidades de un Dominio de Encaminamiento ATN.  
CAM — Sub-Región de Centro América  
C-CAR — Sub-Región del Caribe Central  
E-CAR — Sub-Región del Caribe Oriental  
SAM — Región Sud Americana
  - 2 Aplicaciones ATN relevantes a ser implantadas en las localidades de la columna 1:  
  
AIDC — Comunicación de datos entre dependencias ATS  
AMHS/S — Servidor AMHS  
AMHS — Agente de usuario de mensajes ATS (UA)
  - 3 Tipo de encaminador ATN alineado con la localidad en la columna 1 en donde debe ser implantado.  
BIS — Router troncal que ejecuta el Protocolo de Encaminamiento Inter-Dominios (IDRP)  
IS — Router que no ejecuta IDR
  - 4 Prefijo de Direccionamiento del Dominio de Encaminamiento ATN.
  - 5 Cabecera (gateway) AFTN/AMHS alineada con la localidad en la columna 1 en donde debe ser implantada.
  - 6 Lista de encaminadores de Estados a ser conectados con el encaminador de la columna 3.
  - 7 Método mediante el cual los encaminadores de las columnas 6 y 3 deberían ser conectados.  
COCESNA — Red digital COCESNA  
E-CAR — Red digital E-CAR  
MEVA — Red digital MEVA  
REDDIG — Red digital REDDIG  
DIR — Circuito directo arrendado
  - 8 Fecha de implantación de los sistemas y aplicaciones ATN que se listan en las columnas 2, 3 y 5.
  - 9 Observaciones.
-



| State/Stations<br>Estado/Estaciones                        | ATN<br>applications<br>Fr<br>Fr<br>Aplicaciones<br>ATN | ATN<br>router type<br>Fr<br>Fr<br>Tipo<br>encaminador<br>ATN | ATN RD<br>address<br>prefix<br>Fr<br>Fr<br>Prefijo dirección<br>RD ATN | AFTN/AMHS<br>gateway<br>Fr<br>Fr<br>Cabecera<br>AFTN/AMHS | Connected with<br>routers of<br>Fr<br>Fr<br>Conectados con<br>encaminadores de                            | Via                    | Implementation<br>date<br>Fr<br>Fr<br>Fecha de<br>implantación | Remarks<br>Fr<br>Observaciones |
|------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------|--------------------------------|
| 1                                                          | 2                                                      | 3                                                            | 4                                                                      | 5                                                         | 6                                                                                                         | 7                      | 8                                                              | 9                              |
| <b>CAM</b>                                                 |                                                        |                                                              |                                                                        |                                                           |                                                                                                           |                        |                                                                |                                |
| <b>Belize</b><br>Belize                                    | AMHS                                                   | IS                                                           |                                                                        |                                                           | Honduras, Guatemala                                                                                       | COCESNA                | 2007                                                           |                                |
| <b>Costa Rica</b><br>San Jose                              | AMHS                                                   | IS                                                           |                                                                        |                                                           | Honduras, Nicaragua                                                                                       | COCESNA                | 2007                                                           |                                |
| <b>El Salvador</b><br>San Salvador                         | AMHS                                                   | IS                                                           |                                                                        |                                                           | Honduras, Guatemala                                                                                       | COCESNA                | 2007                                                           |                                |
| <b>Guatemala</b><br>Guatemala                              | AMHS                                                   | IS                                                           |                                                                        |                                                           | Honduras, Belize, El<br>Salvador                                                                          | COCESNA                | 2007                                                           |                                |
| <b>Honduras</b><br>Centro America                          | AMHS/S<br>AIDC                                         | BIS                                                          |                                                                        | X                                                         | Jamaica, United States,<br>Mexico, Guatemala,<br>Nicaragua, Panama,<br>Costa Rica, El Salvador,<br>Belize | COCESNA,<br>MEVA, DIR. | 2007                                                           |                                |
| <b>Nicaragua</b><br>Managua                                | AMHS                                                   | IS                                                           |                                                                        |                                                           | Costa Rica, El Salvador,<br>Honduras                                                                      | COCESNA                | 2007                                                           |                                |
| <b>Panama</b><br>Panama                                    | AMHS                                                   | IS                                                           |                                                                        |                                                           | Honduras                                                                                                  | MEVA                   | 2007                                                           |                                |
| <b>E-CAR</b>                                               |                                                        |                                                              |                                                                        |                                                           |                                                                                                           |                        |                                                                |                                |
| <b>Anguilla</b><br>Anguilla                                | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |
| <b>Antigua</b><br>Antigua                                  | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |
| <b>Barbados</b><br>Barbados                                | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |
| <b>Dominica</b><br>Dominica                                | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |
| <b>French Antilles</b><br>Fort-de-France<br>Pointe-à-Pitre | AMHS<br>AMHS                                           | IS<br>IS                                                     |                                                                        |                                                           | Port of Spain<br>Port of Spain                                                                            | E-CAR                  | 2007<br>2007                                                   |                                |
| <b>Grenada</b><br>Grenada                                  | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |
| <b>Guyana</b><br>Georgetown                                | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |
| <b>Montserrat</b><br>Montserrat                            | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |
| <b>Saint Kitts and Nevis</b><br>Saint Kitts and<br>Nevis   | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                                             | E-CAR                  | 2007                                                           |                                |

| State/Stations<br>Estado/Estaciones                          | ATN<br>applications<br>Fr<br>Fr<br>Aplicaciones<br>ATN | ATN<br>router type<br>Fr<br>Fr<br>Tipo<br>encaminador<br>ATN | ATN RD<br>address<br>prefix<br>Fr<br>Fr<br>Prefijo dirección<br>RD ATN | AFTN/AMHS<br>gateway<br>Fr<br>Fr<br>Cabecera<br>AFTN/AMHS | Connected with<br>routers of<br>Fr<br>Fr<br>Conectados con<br>encaminadores de | Via          | Implementation<br>date<br>Fr<br>Fr<br>Fecha de<br>implantación | Remarks<br>Fr<br>Observaciones |
|--------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------|--------------|----------------------------------------------------------------|--------------------------------|
| 1                                                            | 2                                                      | 3                                                            | 4                                                                      | 5                                                         | 6                                                                              | 7            | 8                                                              | 9                              |
| <b>Saint Lucia</b><br>Saint Lucia                            | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                  | E-CAR        | 2007                                                           |                                |
| <b>Saint Vincent and the<br/>Grenadines</b><br>Saint Vincent | AMHS                                                   | IS                                                           |                                                                        |                                                           | Port of Spain                                                                  | E-CAR        | 2007                                                           |                                |
| <b>Trinidad and Tobago</b><br>Port of Spain                  | AMHS/S &<br>AIDC                                       | BIS                                                          |                                                                        | X                                                         | Curacao, Puerto Rico<br>Caracas, EUR, Guyana<br>and E-CAR Locations            | E-CAR<br>DIR | 2007                                                           |                                |
| <b>C-CAR</b>                                                 |                                                        |                                                              |                                                                        |                                                           |                                                                                |              |                                                                |                                |
| <b>Aruba</b><br>Aruba                                        | AMHS                                                   | IS                                                           |                                                                        |                                                           | Curacao, Jamaica                                                               | MEVA         | 2006                                                           |                                |
| <b>Bahamas</b><br>Bahamas                                    | AMHS                                                   | IS                                                           |                                                                        |                                                           | United States, Haiti                                                           | MEVA         | 2005                                                           |                                |
| <b>Cayman Islands</b><br>Cayman                              | AMHS                                                   | IS                                                           |                                                                        |                                                           | Cuba, Jamaica                                                                  | MEVA         | 2005                                                           |                                |
| <b>Cuba</b><br>Havana                                        | AMHS & AIDC                                            | IS                                                           |                                                                        | X                                                         | Haiti, Jamaica, United<br>States                                               | MEVA         | 2005                                                           |                                |
| <b>Curacao</b><br>Curacao                                    | AMHS                                                   | IS                                                           |                                                                        |                                                           | Aruba, Dominican<br>Republic, Puerto Rico,<br>Haiti, Jamaica                   | MEVA         | 2006                                                           |                                |
| <b>Dominican Republic</b><br>Santo Domingo                   | AMHS & AIDC                                            | IS                                                           |                                                                        |                                                           | Curacao, Puerto Rico,<br>Haiti                                                 | MEVA         | 2006                                                           |                                |
| <b>Haiti</b><br>Port-au-Prince                               | AMHS & AIDC                                            | IS                                                           |                                                                        |                                                           | Bahamas, Curacao,<br>Cuba, Jamaica,<br>Dominican Republic                      | MEVA         | 2006                                                           |                                |
| <b>Jamaica</b><br>Kingston<br>Kingston ACC                   | AMHS<br>AIDC                                           | IS                                                           |                                                                        |                                                           | Honduras, Cuba, Aruba<br>Cayman, Haiti, Curacao                                | MEVA         | 2005                                                           |                                |
| <b>Puerto Rico</b><br>Puerto Rico                            | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | NAM, Dominican<br>Republic, Curacao,<br>Trinidad and Tobago                    |              |                                                                |                                |
| <b>Mexico</b><br>Mexico                                      | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | NAM, Centro America                                                            | DIR          | 2007                                                           |                                |

| State/Stations<br>Estado/Estaciones   | ATN<br>applications<br>Fr<br>Fr<br>Aplicaciones<br>ATN | ATN<br>router type<br>Fr<br>Fr<br>Tipo<br>encaminador<br>ATN | ATN RD<br>address<br>prefix<br>Fr<br>Fr<br>Prefijo dirección<br>RD ATN | AFTN/AMHS<br>gateway<br>Fr<br>Fr<br>Cabecera<br>AFTN/AMHS | Connected with<br>routers of<br>Fr<br>Fr<br>Conectados con<br>encaminadores de                   | Via                 | Implementation<br>date<br>Fr<br>Fr<br>Fecha de<br>implantación | Remarks<br>Fr<br>Observaciones |
|---------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------|--------------------------------|
| 1                                     | 2                                                      | 3                                                            | 4                                                                      | 5                                                         | 6                                                                                                | 7                   | 8                                                              | 9                              |
| <b>SAM</b>                            |                                                        |                                                              |                                                                        |                                                           |                                                                                                  |                     |                                                                |                                |
| <b>Argentina</b><br>Buenos Aires      | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | AFI, Bolivia, Chile, Peru,<br>Brasil,Paraguay, Uruguay                                           | REDDIG              | 2004                                                           |                                |
| <b>Bolivia</b><br>La Paz              | AMHS/S & AIDC                                          | IS                                                           |                                                                        | X                                                         | Argentina, Peru                                                                                  | REDDIG              | 2005                                                           |                                |
| <b>Brazil</b><br>Brazil               | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | NAM, EUR, AFI, Peru<br>French Guiana,<br>Suriname, Venezuela,<br>Paraguay, Argentina,<br>Uruguay | REDDIG              | 2004                                                           |                                |
| <b>Chile</b><br>Santiago              | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | PAC, Argentina, Peru                                                                             | REDDIG              | 2005                                                           |                                |
| <b>Colombia</b><br>Bogotá             | AMHS/S & AIDC                                          | IS                                                           |                                                                        | X                                                         | Ecuador, Peru,<br>Venezuela                                                                      | REDDIG              | 2005                                                           |                                |
| <b>Ecuador</b><br>Quito               | AMHS/S & AIDC                                          | IS                                                           |                                                                        | X                                                         | Colombia, Peru                                                                                   | REDDIG              | 2007                                                           |                                |
| <b>French Guiana</b><br>Cayenne       | AMHS/S & AIDC                                          | IS                                                           |                                                                        | X                                                         | Brazil, Suriname                                                                                 | REDDIG              | 2007                                                           |                                |
| <b>Paraguay</b><br>Asunción           | AMHS/S & AIDC                                          | IS                                                           |                                                                        | X                                                         | Argentina, Brazil                                                                                | REDDIG              | 2007                                                           |                                |
| <b>Peru</b><br>Lima                   | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | Argentina, Bolivia, Brazil,<br>Chile, Colombia,<br>Ecuador, Venezuela,<br>United States          |                     |                                                                |                                |
| <b>Suriname</b><br>Paramaribo         | AMHS & AIDC                                            | IS                                                           |                                                                        |                                                           | Brazil, French Guiana<br>Venezuela.                                                              | REDDIG              | 2007                                                           |                                |
| <b>Uruguay</b><br>Montevideo          | AMHS/S & AIDC                                          | IS                                                           |                                                                        | X                                                         | Argentina, Brazil                                                                                | REDDIG              | 2004                                                           |                                |
| <b>Venezuela</b><br>Caracas           | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | NAM, CAR, EUR, Peru<br>Brazil, Colombia,<br>Suriname                                             | REDDIG, MEVA        | 2006                                                           |                                |
| <b>United States</b><br>United States | AMHS/S & AIDC                                          | BIS                                                          |                                                                        | X                                                         | CAM, C-CAR, SAM<br>E-CAR, Mexico                                                                 | MEVA,<br>E-CAR, DIR | 2005                                                           |                                |

## Table CNS 1C — Tableau CNS 1C — Table CNS 1C

### ATS DIRECT SPEECH CIRCUITS PLAN FRENCH PLAN DE CIRCUITOS ORALES ATS

| Column  | EXPLANATION OF THE TABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 and 2 | Circuit terminal stations are listed alphabetically by the Terminal I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3       | A — indicates ATS requirement for the establishment of voice communication within 15 seconds.<br>D — indicates requirements for instantaneous communications.                                                                                                                                                                                                                                                                                                                                                                                |
| 4       | Type of service specified:<br><br>LTF — landline telephone (landline, cable, UHF, VHF, satellite).<br>RTF — radiotelephone.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5       | Type of circuits; Direct (DIR) or Switched (SW).<br><br>D — indicates a direct circuit connecting Terminals I and II.<br>S — indicates that a direct circuit does not exist and that the connection is established via switching at the switching centre(s) indicated in column 6.<br>IDD — International direct dialling by public switch telephone network<br><br><i>Note 1.— Number of D and/or S circuits between Terminals I and II are indicated by numerical prefix, i.e. 2 D/S means 2 direct circuits and one switched circuit.</i> |
| 6       | Location of switching centre(s). Alternate routing location, if available, is indicated in brackets.<br><br><i>Note 3.— The following networks have been identified in the table for providing the connection between terminals:</i><br><br>CAMSAT — COCESNA Satellite Communication Network<br>E/CAR — Eastern Caribbean Network<br>MEVA — Central Caribbean MEVA Satellite Digital Network<br>REDDIG — SAM Digital Network                                                                                                                 |
| 7       | Status of Implementation. Following codes are used in this column:<br><br>a) I — if the circuit is implemented.                                                                                                                                                                                                                                                                                                                                                                                                                              |

*Note 4.— If the circuit is implemented but there are short-term plans to establish it in other private/public network(s), the symbol I/P shall be introduced indicating in Column 8 — Remarks, the future network environment for the circuit.*

b) No indication or mark if the circuit is not implemented and its implementation date is unknown.

c) If the circuit is not implemented but its implementation date is available, same is indicated in brackets.

8 Remarks/notes

#### EXPLICACIÓN DE LA TABLA

##### Columna

1 y 2 Las estaciones terminales de los circuitos se enumeran alfabéticamente por la estación Terminal I.

3 A — indica requisitos ATS para las comunicaciones de voz que deberían ser establecidos en 15 segundos.  
D — indica requisitos para comunicaciones instantáneas.

4 Tipo de servicio especificado:  
LTF — telefonía por circuito terrestre (circuito terrestre, cable UHF, VHF, satélite).  
RTF — radiotelefonía

5 Tipo de circuitos, Directo (DIR) o Conmutado (SW).  
D — indica que el circuito mostrado en la Terminal I y II es un circuito directo.  
S — indica que no existe un circuito directo y que el requisito será proporcionado a través del(de los) centro(s) conmutadores indicados en la columna 6.  
IDD — Servicio de discado directo internacional por la red telefonica conmutada pública

*Nota 1.— El número de circuitos D y/o S entre los Terminales I y II es indicado por un prefijo numérico; ejemplo, 2 D/S significa 2 circuitos directos y un conmutado.*

*Nota 2.— Hasta la implantación de los circuitos orales ATS apropiados, siempre que satisfagan los requerimientos operacionales aeronáuticos, podrán usarse los servicios IDD para las comunicaciones orales ATS en las zonas de baja densidad de tránsito.*

6 Localización de centro(s) conmutadores. Si se dispone, la localidad alterna de encaminamiento es indicada entre paréntesis.

*Nota 3.— Las siguientes redes han sido identificadas en la tabla para proveer la conexión entre los terminales:*

*CAMSAT — Red de Comunicaciones via Satelite de COCESNA*

*E/CAR — Red Digital del Caribe del Este*

*MEVA — Red Digital Satelital MEVA del Caribe Central*

*REDDIG — Red Digital SAM*

7 Estado de implantación. Se utilizan los siguientes códigos en esta columna:

a) I — si el circuito está implantado.

*Nota 4.— Si el circuito está implantado, pero existen planes a corto plazo para establecerlo dentro de otra red pública/privada, el símbolo I/P debe colocarse indicando en la Columna 8 — Observaciones, el futuro ambiente de red para el circuito.*

b) ninguna indicación o marca, si el circuito no está implantado y la fecha de implantación es desconocida.

- c) si el circuito no está implantado, pero la fecha de implantación está disponible, ésta es indicada entre paréntesis.

8 Observaciones/notas

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| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                        |              | Circuit/Circuito    |     |                                                          | Status of implementation<br>French<br>text<br>Estado de implantacion | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------------------------------------------------|------------------------|--------------|---------------------|-----|----------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------|
| Terminal I                                                                                        | Terminal II            | Type<br>Tipo | Service<br>Servicio | D/S | To be switched via<br>French test<br>A ser conmutado via |                                                                      |                                       |
| 1                                                                                                 | 2                      | 3            | 4                   | 5   | 6                                                        | 7                                                                    | 8                                     |
| <b>ANGOLA</b>                                                                                     |                        |              |                     |     |                                                          |                                                                      |                                       |
| Luanda ACC                                                                                        | Atlantico ACC          | A            | LTF                 |     |                                                          | (2003)                                                               |                                       |
| <b>ANGUILLA<br/>(United Kingdom)</b>                                                              |                        |              |                     |     |                                                          |                                                                      |                                       |
| Anguilla TWR                                                                                      | Juliana APP            | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
| <b>ANTIGUA AND BARBUDA</b>                                                                        |                        |              |                     |     |                                                          |                                                                      |                                       |
| V.C. Bird APP                                                                                     | Blackburne TWR         | A            | LTF                 | S   | E/CAR                                                    | I                                                                    |                                       |
|                                                                                                   | Golden Rock TWR        | A            | LTF                 | S   | E/CAR                                                    | I                                                                    |                                       |
|                                                                                                   | Juliana APP            | A            | LTF                 | S   | E/CAR                                                    | I                                                                    |                                       |
|                                                                                                   | Piarco ACC             | A            | LTF                 | S   | E/CAR                                                    | I                                                                    |                                       |
|                                                                                                   | Pointe-a-Pitre APP     | D            | LTF                 | D   |                                                          | I                                                                    |                                       |
|                                                                                                   | San Juan ACC           | A            | LTF                 | S   | E/CAR                                                    | I                                                                    |                                       |
| <b>ARGENTINA</b>                                                                                  |                        |              |                     |     |                                                          |                                                                      |                                       |
| Aeroparque TWR                                                                                    | Colonia TWR            | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
| Baires APP                                                                                        | Carrasco APP           | D            | LTF                 | D   |                                                          | I                                                                    |                                       |
|                                                                                                   | Montevideo ACC         | D            | LTF                 | D   |                                                          | I                                                                    |                                       |
| Cataratas del Iguazú TWR                                                                          | Foz APP                | D            | LTF                 | D   |                                                          | I                                                                    |                                       |
| Comodoro Rivadavia ACC                                                                            | Ezeiza ACC             | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Puerto Montt ACC       | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |
|                                                                                                   | Punta Arenas ACC       | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |
| Córdoba ACC                                                                                       | Ezeiza ACC             | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | La Paz ACC             | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |
|                                                                                                   | Mendoza ACC            | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Resistencia ACC        | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Santiago ACC           | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |
| Ezeiza ACC                                                                                        | Johannesburg ACC       | A            | LTF                 | IDD |                                                          | I                                                                    |                                       |
|                                                                                                   | Carrasco APP           | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Comodoro Rivadavia ACC | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Córdoba ACC            | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Mendoza ACC            | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Montevideo ACC         | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Resistencia ACC        | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |
| Mendoza ACC                                                                                       | Córdoba ACC            | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Ezeiza ACC             | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Santiago ACC           | A            | LTF                 | D   |                                                          | I/P                                                                  | REDDIG                                |
| Resistencia ACC                                                                                   | Asunción ACC           | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Córdoba ACC            | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Curitiba ACC           | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |
|                                                                                                   | Ezeiza ACC             | A            | LTF                 | S   | EZEIZA                                                   | I                                                                    |                                       |
|                                                                                                   | Foz APP                | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
|                                                                                                   | Montevideo ACC         | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |
| Rio Gallegos TWR                                                                                  | Punta Arenas ACC       | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
| S.C. de Bariloche APP                                                                             | Puerto Montt ACC       | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                  | REDDIG                                |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                                                                                                                                                                            |                                                     | Circuit/Circuito                                                          |                                      |                                                                                                    | Status of<br>implementation<br>French<br>text<br>Estado de<br>implantacion                                 | Remarks<br>Remarques<br>Observaciones                        |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Terminal I                                                                                        | Terminal II                                                                                                                                                                | Type<br>Tipo                                        | Service<br>Servicio                                                       | D/S                                  | To be switched via<br>French test<br>A ser conmutado via                                           |                                                                                                            |                                                              |
| 1                                                                                                 | 2                                                                                                                                                                          | 3                                                   | 4                                                                         | 5                                    | 6                                                                                                  | 7                                                                                                          | 8                                                            |
| <b>ARUBA<br/>(Netherlands)</b>                                                                    |                                                                                                                                                                            |                                                     |                                                                           |                                      |                                                                                                    |                                                                                                            |                                                              |
| Aruba APP                                                                                         | Curacao ACC<br>Josefa Camejo TWR                                                                                                                                           | D<br>A                                              | LTF<br>LTF                                                                | ID/IS<br>D                           | MEVA                                                                                               | I<br>I                                                                                                     |                                                              |
| <b>BAHAMAS</b>                                                                                    |                                                                                                                                                                            |                                                     |                                                                           |                                      |                                                                                                    |                                                                                                            |                                                              |
| Nassau ACC                                                                                        | Miami ACC                                                                                                                                                                  | D                                                   | LTF                                                                       | 2D/S                                 | MEVA                                                                                               | I                                                                                                          |                                                              |
| <b>BARBADOS</b>                                                                                   |                                                                                                                                                                            |                                                     |                                                                           |                                      |                                                                                                    |                                                                                                            |                                                              |
| Grantley Adams APP                                                                                | E.T. Joshua TWR<br>Fort-de-France APP<br>Piarco ACC<br>Saint Lucia APP                                                                                                     | A<br>D<br>D<br>A                                    | LTF<br>LTF<br>LTF<br>LTF                                                  | S<br>D<br>D<br>S                     | E/CAR<br><br>E/CAR                                                                                 | I<br>I<br>I<br>I                                                                                           |                                                              |
| <b>BELIZE</b>                                                                                     |                                                                                                                                                                            |                                                     |                                                                           |                                      |                                                                                                    |                                                                                                            |                                                              |
| Belize APP                                                                                        | Cenamer ACC<br>La Aurora APP<br>La Ceiba TWR<br>La Mesa APP<br>Mérida ACC<br>Puerto Barrios TWR<br>Roatán TWR<br>Tikal APP                                                 | A<br>A<br>A<br>A<br>A<br>A<br>A<br>A                | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF                      | D<br>D<br>D<br>D<br>D<br>D<br>D<br>D |                                                                                                    | I/P<br>I/P<br>I/P<br>I/P<br>I<br>I/P<br>I/P<br>I/P                                                         | CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT<br><br>CAMSAT<br>CAMSAT |
| <b>BOLIVIA</b>                                                                                    |                                                                                                                                                                            |                                                     |                                                                           |                                      |                                                                                                    |                                                                                                            |                                                              |
| La Paz ACC                                                                                        | Amazonico ACC<br>Asunción ACC<br>Brasilia ACC<br>Córdoba ACC<br>Curitiba ACC<br>Lima ACC<br>Santiago ACC                                                                   | A<br>A<br>A<br>A<br>A<br>A<br>A                     | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF                             | <br>S<br><br>S<br>S<br>S             | LIMA (EZEIZA)<br>EZEIZA (LIMA)<br>LIMA (EZEIZA)<br>EZEIZA (LIMA)<br>EZEIZA (LIMA)<br>LIMA (EZEIZA) | (2003)<br>I/P<br>I/P<br>I/P<br>I/P<br>I/P                                                                  | REDDIG<br>REDDIG<br>REDDIG<br>REDDIG<br>REDDIG<br>REDDIG     |
| <b>BRAZIL</b>                                                                                     |                                                                                                                                                                            |                                                     |                                                                           |                                      |                                                                                                    |                                                                                                            |                                                              |
| Amazonico ACC                                                                                     | Amazonas APP<br>Atlantico ACC<br>Bogotá ACC<br>Brasilia ACC<br>Georgetown ACC<br>Maiquetia ACC<br>La Paz ACC<br>Lima ACC<br>Paramaribo ACC<br>Recife ACC<br>Rochambeau ACC | D<br>A<br>A<br>D<br>A<br>A<br>A<br>A<br>A<br>D<br>A | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF |                                      |                                                                                                    | (2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003) |                                                              |
| Atlantico ACC                                                                                     | Amazonico ACC<br>Brasilia ACC<br>Curitiba ACC<br>Dakar ACC<br>Johannesburg ACC<br>Luanda ACC<br>Montevideo ACC                                                             | A<br>A<br>A<br>A<br>A<br>A<br>A                     | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF                             |                                      |                                                                                                    | (2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)<br>(2003)                                         |                                                              |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                                                                                                                                                                  |                                                | Circuit/Circuito                                                   |                                        |                                                                                   | Status of implementation<br>French text<br>Estado de implantacion | Remarks<br>Remarques<br>Observaciones            |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------|----------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------|
| Terminal I                                                                                        | Terminal II                                                                                                                                                      | Type<br>Tipo                                   | Service<br>Servicio                                                | D/S                                    | To be switched via<br>French test<br>A ser conmutado via                          |                                                                   |                                                  |
| 1                                                                                                 | 2                                                                                                                                                                | 3                                              | 4                                                                  | 5                                      | 6                                                                                 | 7                                                                 | 8                                                |
| Brasilia ACC                                                                                      | Amazonico ACC<br>Atlantico ACC<br>Curitiba ACC<br>La Paz ACC<br>Recife ACC                                                                                       | D<br>A<br>D<br>A<br>D                          | LTF<br>LTF<br>LTF<br>LTF<br>LTF                                    | <br><br>D<br>S<br>S                    | <br><br><br>LIMA (EZEIZA)<br>BRASILIA                                             | (2003)<br>(2003)<br>I<br>I/P<br>I                                 | <br><br><br>REDDIG                               |
| Curitiba ACC                                                                                      | Asunción ACC<br>Atlantico ACC<br>Brasilia ACC<br>Foz APP<br>La Paz ACC<br>Montevideo ACC<br>Resistencia ACC                                                      | A<br>A<br>D<br>D<br>A<br>D<br>A                | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF                      | S<br><br>D<br>D<br>S<br>S<br>S         | EZEIZA<br><br><br><br>BRASILIA<br>EZEIZA (LIMA)<br>BRASILIA                       | I<br>(2003)<br>I<br>I<br>I/P<br>I/P<br>I/P                        | REDDIG<br><br><br><br>REDDIG<br>REDDIG<br>REDDIG |
| Foz APP                                                                                           | Asunción ACC<br>Cataratas del Iguazú TWR<br>Curitiba ACC<br>Guaraní APP<br>Resistencia ACC                                                                       | A<br>D<br>D<br>D<br>A                          | LTF<br>LTF<br>LTF<br>LTF<br>LTF                                    | D<br>D<br>D<br>D<br>D                  | <br><br><br><br>                                                                  | <br><br><br><br>I                                                 |                                                  |
| Recife ACC                                                                                        | Amazonico ACC<br>Atlantico ACC<br>Brasilia ACC                                                                                                                   | D<br>A<br>D                                    | LTF<br>LTF<br>LTF                                                  | <br><br>S                              | <br><br>BRASILIA                                                                  | (2003)<br>(2003)<br>I                                             |                                                  |
| Tabatinga Radio                                                                                   | Amazonas APP                                                                                                                                                     | A                                              | LTF                                                                | D                                      |                                                                                   | I                                                                 |                                                  |
| <b>CAYMAN ISLANDS<br/>(United Kingdom)</b>                                                        |                                                                                                                                                                  |                                                |                                                                    |                                        |                                                                                   |                                                                   |                                                  |
| Grand Cayman APP                                                                                  | Cenamer ACC<br>Habana ACC<br>Kingston ACC                                                                                                                        | A<br>A<br>A                                    | LTF<br>LTF<br>LTF                                                  | S<br>S<br>S                            | MEVA<br>MEVA<br>MEVA                                                              | I<br>I<br>I                                                       |                                                  |
| <b>CHILE</b>                                                                                      |                                                                                                                                                                  |                                                |                                                                    |                                        |                                                                                   |                                                                   |                                                  |
| Antofagasta APP                                                                                   | Santiago ACC                                                                                                                                                     | D                                              | LTF                                                                | D                                      |                                                                                   | 1                                                                 |                                                  |
| Isla de Pascua ACC                                                                                | Santiago ACC                                                                                                                                                     | A                                              | LTF                                                                | S                                      | SANTIAGO                                                                          | I                                                                 |                                                  |
| Puerto Montt ACC                                                                                  | Comodoro Rivadavia ACC<br>Punta Arenas ACC<br>San Carlos de Bariloche APP<br>Santiago ACC                                                                        | A<br>A<br>A<br>D                               | LTF<br>LTF<br>LTF<br>LTF                                           | S<br>S<br>S<br>D                       | SANTIAGO<br>SANTIAGO<br>SANTIAGO<br>SANTIAGO                                      | I/P<br>I<br>I/P<br>I                                              | REDDIG<br><br>REDDIG                             |
| Punta Arenas ACC                                                                                  | Comodoro Rivadavia ACC<br>Puerto Montt ACC<br>Rio Gallegos TWR                                                                                                   | A<br>A<br>A                                    | LTF<br>LTF<br>LTF                                                  | S<br>S<br>D                            | SANTIAGO<br>SANTIAGO                                                              | I/P<br>I<br>I                                                     | REDDIG                                           |
| Santiago ACC                                                                                      | Antofagasta APP<br>Concepcion APP<br>Córdoba ACC<br>Iquique APP<br>Isla de Pascua ACC<br>La Paz ACC<br>Lima ACC<br>Mendoza ACC<br>Puerto Montt ACC<br>Temuco APP | D<br>A<br>A<br>D<br>A<br>A<br>A<br>A<br>D<br>A | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF | D<br>S<br><br><br>S<br><br>D<br>s<br>S | <br>SANTIAGO<br><br><br>SANTIAGO<br><br>SANTIAGO (EZEIZA)<br>SANTIAGO<br>SANTIAGO | I<br>I<br><br><br>I<br>I/P<br>I<br>I<br>I                         | <br><br><br><br><br><br>REDDIG<br>REDDIG         |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                  |              | Circuit/Circuito    |     |                                                          | Status of implementation<br>French<br>text<br>Estado de implantacion | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------------------------------------------------|------------------|--------------|---------------------|-----|----------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------|
| Terminal I                                                                                        | Terminal II      | Type<br>Tipo | Service<br>Servicio | D/S | To be switched via<br>French test<br>A ser conmutado via |                                                                      |                                       |
| 1                                                                                                 | 2                | 3            | 4                   | 5   | 6                                                        | 7                                                                    | 8                                     |
| Concepcion APP                                                                                    | Santiago ACC     | A            | LTF                 | S   | SANTIAGO                                                 |                                                                      |                                       |
| Temuco APP                                                                                        | Santiago ACC     | A            | LTF                 | S   | SANTIAGO                                                 |                                                                      |                                       |
| Iquique APP                                                                                       | Santiago ACC     | D            | LTF                 | D   |                                                          |                                                                      |                                       |
| <b>COLOMBIA</b>                                                                                   |                  |              |                     |     |                                                          |                                                                      |                                       |
| Amazonas APP                                                                                      | Amazonico ACC    | D            | LTF                 |     |                                                          | (2003)                                                               |                                       |
|                                                                                                   | Bogotá ACC       | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
|                                                                                                   | Lima ACC         | A            | LTF                 | S   | BOGOTA                                                   | I                                                                    |                                       |
|                                                                                                   | Tabatinga Radio  | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
| Andes APP                                                                                         | Bogotá ACC       | A            | LTF                 | D   |                                                          |                                                                      |                                       |
|                                                                                                   | Cali ACC         | A            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Guayaquil ACC    | A            | LTF                 | D   |                                                          |                                                                      |                                       |
|                                                                                                   | Tulcán TWR       | A            | LTF                 | D   |                                                          |                                                                      |                                       |
| Barranquilla ACC                                                                                  | Bogotá ACC       | D            | LTF                 | D   |                                                          | I                                                                    |                                       |
|                                                                                                   | Curacao ACC      | A            | LTF                 | S   | BOGOTA                                                   | I                                                                    |                                       |
|                                                                                                   | Kingston ACC     | A            | LTF                 | S   | BOGOTA                                                   | I                                                                    |                                       |
|                                                                                                   | Maiquetía ACC    | A            | LTF                 | S   | BOGOTA                                                   | I/P                                                                  | REDDIG                                |
|                                                                                                   | Panamá ACC       | A            | LTF                 | S   | BOGOTA                                                   | I                                                                    |                                       |
| Bogotá ACC                                                                                        | Amazonas APP     | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
|                                                                                                   | Amazonico ACC    | A            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Andes APP        | A            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Barranquilla ACC | A            | LTF                 | S   | BOGOTA                                                   | I                                                                    |                                       |
|                                                                                                   | Cali ACC         | A            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Cenamer ACC      | A            | LTF                 | S   | BOGOTA                                                   | I                                                                    |                                       |
|                                                                                                   | Guayaquil ACC    | A            | LTF                 | S   | BOGOTA                                                   | I/P                                                                  | REDDIG                                |
|                                                                                                   | Lima ACC         | A            | LTF                 | S   | LIMA                                                     | I/P                                                                  | REDDIG                                |
|                                                                                                   | Maiquetía ACC    | A            | LTF                 | S   | BOGOTA                                                   | I/P                                                                  | REDDIG                                |
|                                                                                                   | Medellin ACC     | D            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Panamá ACC       | A            | LTF                 | S   | BOGOTA                                                   | I/P                                                                  | REDDIG                                |
| Cali ACC                                                                                          | Andes APP        | A            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Bogotá ACC       | D            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Guayaquil ACC    | A            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Panamá ACC       | A            | LTF                 |     |                                                          |                                                                      |                                       |
| Cúcuta APP                                                                                        | Maiquetía ACC    | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
|                                                                                                   | San Antonio TWR  | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
| Cúcuta TWR                                                                                        | San Antonio TWR  | A            | LTF                 | D   |                                                          | I                                                                    |                                       |
| Medellin ACC                                                                                      | Bogotá ACC       | D            | LTF                 |     |                                                          |                                                                      |                                       |
|                                                                                                   | Panamá ACC       | A            | LTF                 |     |                                                          |                                                                      |                                       |
| San Andrés APP                                                                                    | Panamá ACC       | A            | LTF                 | D   |                                                          |                                                                      |                                       |
| <b>COSTA RICA</b>                                                                                 |                  |              |                     |     |                                                          |                                                                      |                                       |
| El Coco ACC                                                                                       | Cenamer ACC      | D            | LTF                 | D   |                                                          | I/P                                                                  | CAMSAT                                |
|                                                                                                   | Liberia APP      | A            | LTF                 | D   |                                                          | I/P                                                                  | CAMSAT                                |
|                                                                                                   | Managua APP      | A            | LTF                 | D   |                                                          | I/P                                                                  | CAMSAT                                |
|                                                                                                   | Panamá ACC       | D            | LTF                 | D   |                                                          | I/P                                                                  | CAMSAT                                |
| Liberia APP                                                                                       | El Coco ACC      | A            | LTF                 | D   |                                                          | I/P                                                                  | CAMSAT                                |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                    |              | Circuit/Circuito    |       |                                                          | Status of implementation<br>French text<br>Estado de implantacion | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------------------------------------------------|--------------------|--------------|---------------------|-------|----------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------|
| Terminal I                                                                                        | Terminal II        | Type<br>Tipo | Service<br>Servicio | D/S   | To be switched via<br>French test<br>A ser conmutado via |                                                                   |                                       |
| 1                                                                                                 | 2                  | 3            | 4                   | 5     | 6                                                        | 7                                                                 | 8                                     |
| <b>COCESNA</b>                                                                                    |                    |              |                     |       |                                                          |                                                                   |                                       |
| Cenamer ACC                                                                                       | Belize APP         | A            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | Bogotá ACC         | A            | LTF                 | D     |                                                          | I                                                                 |                                       |
|                                                                                                   | El Coco ACC        | D            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | El Salvador APP    | D            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | Grand Cayman APP   | A            | LTF                 | S     | MEVA                                                     | I                                                                 |                                       |
|                                                                                                   | Guayaquil ACC      | A            | LTF                 | D     |                                                          | I                                                                 |                                       |
|                                                                                                   | Habana ACC         | A            | LTF                 | S     | MEVA                                                     | I                                                                 |                                       |
|                                                                                                   | Ilopango APP       | A            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | Kingston ACC       | A            | LTF                 | S     | MEVA                                                     | I                                                                 |                                       |
|                                                                                                   | La Aurora APP      | D            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | La Ceiba TWR       | A            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | La Mesa APP        | D            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | Managua APP        | A            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | Mérida ACC         | D            | LTF                 | D     |                                                          | I                                                                 |                                       |
|                                                                                                   | Panamá ACC         | D            | LTF                 | D     |                                                          | I                                                                 |                                       |
|                                                                                                   | Roatán TWR         | A            | LTF                 | D     |                                                          |                                                                   | CAMSAT                                |
|                                                                                                   | Tikal APP          | A            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | Toncontin APP      | A            | LTF                 |       |                                                          |                                                                   |                                       |
| <b>CUBA</b>                                                                                       |                    |              |                     |       |                                                          |                                                                   |                                       |
| Habana ACC                                                                                        | Cenamer ACC        | A            | LTF                 | S     | MEVA                                                     | I                                                                 |                                       |
|                                                                                                   | Grand Cayman APP   | A            | LTF                 | S     | MEVA                                                     | I                                                                 |                                       |
|                                                                                                   | Kingston ACC       | A            | LTF                 | ID/IS | MEVA                                                     | I                                                                 | MEVA                                  |
|                                                                                                   | Mérida ACC         | D            | LTF                 | D     |                                                          | I                                                                 |                                       |
|                                                                                                   | Miami ACC          | D            | LTF                 | 2D/1S | MEVA                                                     | I                                                                 | MEVA                                  |
|                                                                                                   | Port-au-Prince ACC | A            | LTF                 | S     | MEVA                                                     | I                                                                 |                                       |
| <b>DOMINICA</b><br>(Non-Contracting State)                                                        |                    |              |                     |       |                                                          |                                                                   |                                       |
| Canefield TWR                                                                                     | Pointe-a-Pitre APP | A            | LTF                 | D     |                                                          | I                                                                 |                                       |
| Melville Hall TWR                                                                                 | Pointe-a-Pitre APP | A            | LTF                 | D     |                                                          | I                                                                 |                                       |
| <b>DOMINICAN REPUBLIC</b>                                                                         |                    |              |                     |       |                                                          |                                                                   |                                       |
| Santo Domingo ACC                                                                                 | Curacao ACC        | D            | LTF                 | D     |                                                          | I/P                                                               | MEVA                                  |
|                                                                                                   | Miami ACC          | D            | LTF                 | D     |                                                          | I                                                                 | MEVA                                  |
|                                                                                                   | Port-au-Prince ACC | D            | LTF                 | D     |                                                          | I/P                                                               | MEVA                                  |
|                                                                                                   | San Juan ACC       | D            | LTF                 | D     |                                                          | I                                                                 | MEVA                                  |
| <b>ECUADOR</b>                                                                                    |                    |              |                     |       |                                                          |                                                                   |                                       |
| Guayaquil ACC                                                                                     | Andes APP          | A            | LTF                 | D     |                                                          | I/P                                                               |                                       |
|                                                                                                   | Bogotá ACC         | A            | LTF                 | S     | BOGOTA (LIMA)                                            | I/P                                                               | REDDIG                                |
|                                                                                                   | Cali ACC           | A            | LTF                 |       |                                                          |                                                                   |                                       |
|                                                                                                   | Cenamer ACC        | A            | LTF                 | S     | BOGOTA                                                   | I/P                                                               | REDDIG                                |
|                                                                                                   | Lima ACC           | A            | LTF                 | S     | LIMA (BOGOTA)                                            | I/P                                                               | REDDIG                                |
| Tulcán TWR                                                                                        | Andes APP          | A            | LTF                 |       |                                                          |                                                                   |                                       |
| <b>EL SALVADOR</b>                                                                                |                    |              |                     |       |                                                          |                                                                   |                                       |
| El Salvador APP                                                                                   | Cenamer ACC        | D            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | Ilopango APP       | A            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | La Aurora APP      | D            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |
|                                                                                                   | La Mesa APP        | D            | LTF                 | D     |                                                          | I/P                                                               | CAMSAT                                |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                    |              | Circuit/Circuito    |     |                                                          | Status of<br>implementation<br>French<br>text<br>Estado de<br>implantacion | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------------------------------------------------|--------------------|--------------|---------------------|-----|----------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------|
| Terminal I                                                                                        | Terminal II        | Type<br>Tipo | Service<br>Servicio | D/S | To be switched via<br>French test<br>A ser conmutado via |                                                                            |                                       |
| 1                                                                                                 | 2                  | 3            | 4                   | 5   | 6                                                        | 7                                                                          | 8                                     |
| Ilopango APP                                                                                      | Managua APP        | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | Toncontin APP      | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | Cenamer ACC        | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | El Salvador APP    | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
| <b>FRENCH ANTILLES<br/>(France)</b>                                                               |                    |              |                     |     |                                                          |                                                                            |                                       |
| Fort-de-France APP                                                                                | George Charles TWR | D            | LTF                 | D   |                                                          |                                                                            |                                       |
|                                                                                                   | Grantley Adams APP | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Piarco ACC         | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Pointe-a-Pitre APP | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Saint Lucia APP    | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
| Pointe-à-Pitre APP                                                                                | Canefield TWR      | A            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Fort-de-France APP | D            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Melville Hall TWR  | A            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Piarco ACC         | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | San Juan ACC       | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | V.C. Bird APP      | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
| Saint Barthelemy AFIS                                                                             | Juliana APP        | A            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
| Saint Martin Grand Case AFIS                                                                      | Juliana APP        | A            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
| <b>FRENCH GUIANA<br/>(France)</b>                                                                 |                    |              |                     |     |                                                          |                                                                            |                                       |
| Rochambeau ACC                                                                                    | Amazonico ACC      | A            | LTF                 |     |                                                          | (2003)                                                                     |                                       |
|                                                                                                   | Atlantico ACC      | A            | LTF                 |     |                                                          | (2003)                                                                     |                                       |
|                                                                                                   | Dakar ACC          | A            | LTF                 | IDD |                                                          | I                                                                          |                                       |
|                                                                                                   | Paramaribo ACC     | A            | LTF                 | IDD |                                                          | I                                                                          |                                       |
|                                                                                                   | Piarco ACC         | A            | LTF                 | IDD |                                                          | I                                                                          |                                       |
| <b>GRENADA</b>                                                                                    |                    |              |                     |     |                                                          |                                                                            |                                       |
| Pointe Salines APP                                                                                | Piarco ACC         | A            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
| <b>GUATEMALA</b>                                                                                  |                    |              |                     |     |                                                          |                                                                            |                                       |
| Tikal APP                                                                                         | Belize APP         | A            | LTF                 |     |                                                          |                                                                            |                                       |
|                                                                                                   | Cenamer ACC        | A            | LTF                 |     |                                                          |                                                                            |                                       |
|                                                                                                   | La Aurora APP      | A            | LTF                 |     |                                                          |                                                                            |                                       |
| La Aurora APP                                                                                     | Belize APP         | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | Cenamer ACC        | D            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | El Salvador APP    | D            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | La Mesa APP        | D            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | Puerto Barrios TWR | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | Tikal APP          | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | Toncontin APP      | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
| Puerto Barrios TWR                                                                                | Belize APP         | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | La Aurora APP      | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |
|                                                                                                   | La Mesa APP        | A            | LTF                 | D   |                                                          | I/P                                                                        | CAMSAT                                |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                                                                                                                      |                                 | Circuit/Circuito                              |                                     |                                                          | Status of<br>implementation<br>French<br>text<br>Estado de<br>implantacion | Remarks<br>Remarques<br>Observaciones                              |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------|
| Terminal I                                                                                        | Terminal II                                                                                                          | Type<br>Tipo                    | Service<br>Servicio                           | D/S                                 | To be switched via<br>French test<br>A ser conmutado via |                                                                            |                                                                    |
| 1                                                                                                 | 2                                                                                                                    | 3                               | 4                                             | 5                                   | 6                                                        | 7                                                                          | 8                                                                  |
| <b>GUYANA</b>                                                                                     |                                                                                                                      |                                 |                                               |                                     |                                                          |                                                                            |                                                                    |
| Georgetown ACC                                                                                    | Amazonico ACC<br>Maiquetia ACC<br>Paramaribo ACC<br>Piarco ACC                                                       | A<br>A<br>A<br>A                | LTF<br>LTF<br>LTF<br>LTF                      | <br>D<br>D<br>D                     | (2003)                                                   | <br>I<br>I<br>I                                                            |                                                                    |
| <b>HAITI</b>                                                                                      |                                                                                                                      |                                 |                                               |                                     |                                                          |                                                                            |                                                                    |
| Port-au-Prince ACC                                                                                | Curacao ACC<br>Habana ACC<br>Kingston ACC<br>Miami ACC<br>Santo Domingo ACC                                          | A<br>A<br>A<br>A<br>D           | LTF<br>LTF<br>LTF<br>LTF<br>LTF               | S<br>S<br>S<br>S<br>S               | MEVA<br>MEVA<br>MEVA<br>MEVA<br>MEVA                     | I<br>I<br>I<br>I<br>I                                                      |                                                                    |
| <b>HONDURAS</b>                                                                                   |                                                                                                                      |                                 |                                               |                                     |                                                          |                                                                            |                                                                    |
| La Ceiba TWR                                                                                      | Belize APP<br>Cenamer ACC<br>La Mesa APP<br>Roatán TWR<br>Toncontín APP                                              | A<br>A<br>A<br>A<br>A           | LTF<br>LTF<br>LTF<br>LTF<br>LTF               | D<br>D<br>D<br>D<br>D               |                                                          | I/P<br>I/P<br>I/P<br>I/P<br>I/P                                            | CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT                     |
| La Mesa APP                                                                                       | Belize APP<br>Cenamer ACC<br>El Salvador APP<br>La Aurora APP<br>La Ceiba TWR<br>Puerto Barrios TWR<br>Roatán TWR    | A<br>D<br>D<br>D<br>A<br>A<br>A | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF | D<br>D<br>D<br>D<br>D<br>D<br>D     |                                                          | I/P<br>I/P<br>I/P<br>I/P<br>I/P<br>I/P<br>I/P                              | CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT |
| Roatán TWR                                                                                        | Belize APP<br>Cenamer ACC<br>La Ceiba APP<br>La Mesa APP                                                             | A<br>A<br>A<br>A                | LTF<br>LTF<br>LTF<br>LTF                      | D<br>D<br>D<br>D                    |                                                          | I/P<br>I/P<br>I/P<br>I/P                                                   | CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT                               |
| Tocontín APP                                                                                      | Cenamer ACC<br>El Salvador APP<br>La Aurora APP<br>La Ceiba TWR<br>Managua APP                                       | A<br>A<br>A<br>A<br>A           | LTF<br>LTF<br>LTF<br>LTF<br>LTF               | D<br>D<br>D<br>D<br>D               |                                                          | I/P<br>I/P<br>I/P<br>I/P<br>I/P                                            | CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT                     |
| <b>JAMAICA</b>                                                                                    |                                                                                                                      |                                 |                                               |                                     |                                                          |                                                                            |                                                                    |
| Kingston ACC                                                                                      | Barranquilla ACC<br>Cenamer ACC<br>Curacao ACC<br>Grand Cayman APP<br>Habana ACC<br>Panamá ACC<br>Port-au-Prince ACC | A<br>A<br>A<br>A<br>A<br>A<br>A | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF | S<br>S<br>S<br>S<br>ID/IS<br>S<br>S | BOGOTA<br>MEVA<br>MEVA<br>MEVA<br>MEVA<br>MEVA<br>MEVA   | I<br>I<br>I<br>I<br>I<br>I<br>I                                            | MEVA                                                               |
| <b>MEXICO</b>                                                                                     |                                                                                                                      |                                 |                                               |                                     |                                                          |                                                                            |                                                                    |
| Mazatlán ACC                                                                                      | Albuquerque ACC<br>Los Angeles ACC<br>México ACC<br>Monterrey ACC<br>Oakland ACC                                     | D<br>D<br>D<br>D<br>A           | LTF<br>LTF<br>LTF<br>LTF<br>LTF               | D<br>D<br>D<br>D<br>D               |                                                          | I<br>I<br>I<br>I<br>I                                                      |                                                                    |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                                                                                                                            |                                      | Circuit/Circuito                                     |                                     |                                                          | Status of implementation<br>French<br>text<br>Estado de implantacion | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------|
| Terminal I                                                                                        | Terminal II                                                                                                                | Type<br>Tipo                         | Service<br>Servicio                                  | D/S                                 | To be switched via<br>French test<br>A ser conmutado via |                                                                      |                                       |
| 1                                                                                                 | 2                                                                                                                          | 3                                    | 4                                                    | 5                                   | 6                                                        | 7                                                                    | 8                                     |
| Mérida ACC                                                                                        | Belize APP<br>Cenamer ACC<br>Habana ACC<br>Houston ACC<br>México ACC<br>Monterrey ACC                                      | A<br>D<br>D<br>A<br>D<br>D           | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF               | D<br>D<br>D<br>D<br>D<br>D          |                                                          | I<br>I<br>I<br>I<br>I<br>I                                           |                                       |
| México ACC                                                                                        | Mazatlán ACC<br>Mérida ACC<br>Monterrey ACC                                                                                | D<br>D<br>D                          | LTF<br>LTF<br>LTF                                    | D<br>D<br>D                         |                                                          | I<br>I<br>I                                                          |                                       |
| Monterrey ACC                                                                                     | Albuquerque ACC<br>Houston ACC<br>Mazatlán ACC<br>Mérida ACC<br>México ACC                                                 | D<br>D<br>D<br>D<br>D                | LTF<br>LTF<br>LTF<br>LTF<br>LTF                      | D<br>D<br>D<br>D<br>D               |                                                          | I<br>I<br>I<br>I<br>I                                                |                                       |
| <b>MONTSERRAT<br/>(United Kingdom)</b>                                                            |                                                                                                                            |                                      |                                                      |                                     |                                                          |                                                                      |                                       |
| Blackburne TWR                                                                                    | V.C. Bird APP                                                                                                              | A                                    | LTF                                                  | D                                   |                                                          | I                                                                    |                                       |
| <b>NETHERLANDS ANTILLES<br/>(Netherlands)</b>                                                     |                                                                                                                            |                                      |                                                      |                                     |                                                          |                                                                      |                                       |
| Curacao ACC                                                                                       | Aruba APP<br>Barranquilla ACC<br>Kingston ACC<br>Maiquetía ACC<br>Port-au-Prince ACC<br>San Juan ACC<br>Santo Domingo ACC  | D<br>A<br>A<br>A<br>A<br>A<br>D      | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF        | ID/IS<br>S<br>S<br>D<br>S<br>S<br>S | MEVA<br>BOGOTA<br>MEVA<br><br>MEVA<br>MEVA<br>MEVA       | I<br>I<br>I<br>I<br>I<br>I<br>I/P                                    | MEVA<br><br><br><br><br>MEVA          |
| Juliana APP                                                                                       | Anguilla TWR<br>Golden Rock TWR<br>St. Barthelemy AFIS<br>San Juan ACC<br>Saint Martin Grand case<br>AFIS<br>V.C. Bird APP | A<br>A<br>A<br>A<br>A<br>A<br>A      | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br><br>LTF           | D<br>D<br>D<br>D<br>D<br><br>D      |                                                          | I<br>I<br><br>I<br><br>I                                             |                                       |
| <b>NICARAGUA</b>                                                                                  |                                                                                                                            |                                      |                                                      |                                     |                                                          |                                                                      |                                       |
| Managua APP                                                                                       | Cenamer ACC<br>El Coco ACC<br>El Salvador APP<br>Tocontín APP                                                              | A<br>A<br>A<br>A                     | LTF<br>LTF<br>LTF<br>LTF                             | D<br>D<br>D<br>D                    |                                                          | I/P<br>I/P<br>I/P<br>I/P                                             | CAMSAT<br>CAMSAT<br>CAMSAT<br>CAMSAT  |
| <b>PANAMÁ</b>                                                                                     |                                                                                                                            |                                      |                                                      |                                     |                                                          |                                                                      |                                       |
| Panamá ACC                                                                                        | Barranquilla ACC<br>Bogotá ACC<br>Cali ACC<br>Cenamer ACC<br>El Coco ACC<br>Kingston ACC<br>Medellin ACC<br>San Andrés APP | D<br>D<br>A<br>D<br>D<br>A<br>A<br>D | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF | S<br>S<br><br>D<br>D<br>S<br>D      | BOGOTA<br>BOGOTA<br><br><br><br>MEVA                     | I/P<br>I/P<br><br>I<br>I                                             |                                       |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                    |              | Circuit/Circuito    |     |                                                          | Status of<br>implementation<br>French<br>text<br>Estado de<br>implantacion | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------------------------------------------------|--------------------|--------------|---------------------|-----|----------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------|
| Terminal I                                                                                        | Terminal II        | Type<br>Tipo | Service<br>Servicio | D/S | To be switched via<br>French test<br>A ser conmutado via |                                                                            |                                       |
| 1                                                                                                 | 2                  | 3            | 4                   | 5   | 6                                                        | 7                                                                          | 8                                     |
| <b>PARAGUAY</b>                                                                                   |                    |              |                     |     |                                                          |                                                                            |                                       |
| Asunción ACC                                                                                      | Curitiba ACC       | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                        | REDDIG                                |
|                                                                                                   | Foz APP            | A            | LTF                 | D   |                                                          |                                                                            |                                       |
|                                                                                                   | La Paz ACC         | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                        | REDDIG                                |
|                                                                                                   | Resistencia ACC    | A            | LTF                 | S   | EZEIZA                                                   | I/P                                                                        | REDDIG                                |
| Guaraní APP                                                                                       | Foz APP            | A            | LTF                 | D   |                                                          |                                                                            |                                       |
| <b>PERU</b>                                                                                       |                    |              |                     |     |                                                          |                                                                            |                                       |
| Lima ACC                                                                                          | Amazonas APP       | A            | LTF                 | S   | LIMA                                                     | I<br>(2003)                                                                |                                       |
|                                                                                                   | Amazonico ACC      | A            | LTF                 |     |                                                          |                                                                            |                                       |
|                                                                                                   | Bogotá ACC         | A            | LTF                 | S   | LIMA                                                     | I/P                                                                        | REDDIG                                |
|                                                                                                   | Guayaquil ACC      | A            | LTF                 | S   | LIMA                                                     | I/P                                                                        | REDDIG                                |
|                                                                                                   | La Paz ACC         | A            | LTF                 | S   | LIMA                                                     | I/P                                                                        | REDDIG                                |
|                                                                                                   | Santiago ACC       | A            | LTF                 | S   | LIMA                                                     | I/P                                                                        | REDDIG                                |
| <b>PUERTO RICO<br/>(United States)</b>                                                            |                    |              |                     |     |                                                          |                                                                            |                                       |
| San Juan ACC                                                                                      | Beef Island TWR    | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Curacaon ACC       | A            | LTF                 | S   | MEVA                                                     | I                                                                          |                                       |
|                                                                                                   | Golden Rock TWR    | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Juliana APP        | D            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Maiquetia ACC      | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Miami ACC          | D            | LTF                 | D   | MEVA                                                     | I                                                                          |                                       |
|                                                                                                   | New York ACC       | D            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Piarco ACC         | A            | LTF                 | D   |                                                          | I/P                                                                        | E/CAR                                 |
|                                                                                                   | Pointe-a-Pitre APP | D            | LTF                 | D   |                                                          | I                                                                          | MEVA                                  |
|                                                                                                   | Santo Domingo ACC  | D            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | V.C. Bird APP      | A            | LTF                 | D   |                                                          |                                                                            |                                       |
| <b>SAINT KITTS AND NEVIS<br/>(Non-Contracting State)</b>                                          |                    |              |                     |     |                                                          |                                                                            |                                       |
| Golden Rock TWR                                                                                   | Juliana APP        | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | San Juan ACC       | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | V.C. Bird APP      | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
| <b>SAINT LUCIA</b>                                                                                |                    |              |                     |     |                                                          |                                                                            |                                       |
| George Charles TWR                                                                                | Fort-de-France APP | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
| Saint Lucia APP                                                                                   | E.T. Joshua APP    | A            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Fort-de-France APP | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Grantley Adams APP | A            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
|                                                                                                   | Piarco ACC         | D            | LTF                 | D   |                                                          | I                                                                          | E/CAR                                 |
| <b>SAINT VINCENT AND<br/>THE GRENADINES</b>                                                       |                    |              |                     |     |                                                          |                                                                            |                                       |
| E.T. Joshua APP                                                                                   | Grantley Adams APP | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Piarco ACC         | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
|                                                                                                   | Saint Lucia APP    | A            | LTF                 | D   |                                                          | I                                                                          |                                       |
| <b>SENEGAL</b>                                                                                    |                    |              |                     |     |                                                          |                                                                            |                                       |
| Dakar ACC                                                                                         | Atlantico ACC      | A            | LTF                 |     |                                                          | (2003)                                                                     |                                       |
|                                                                                                   | Rochambeau ACC     | A            | LTF                 | IDD |                                                          | I                                                                          |                                       |

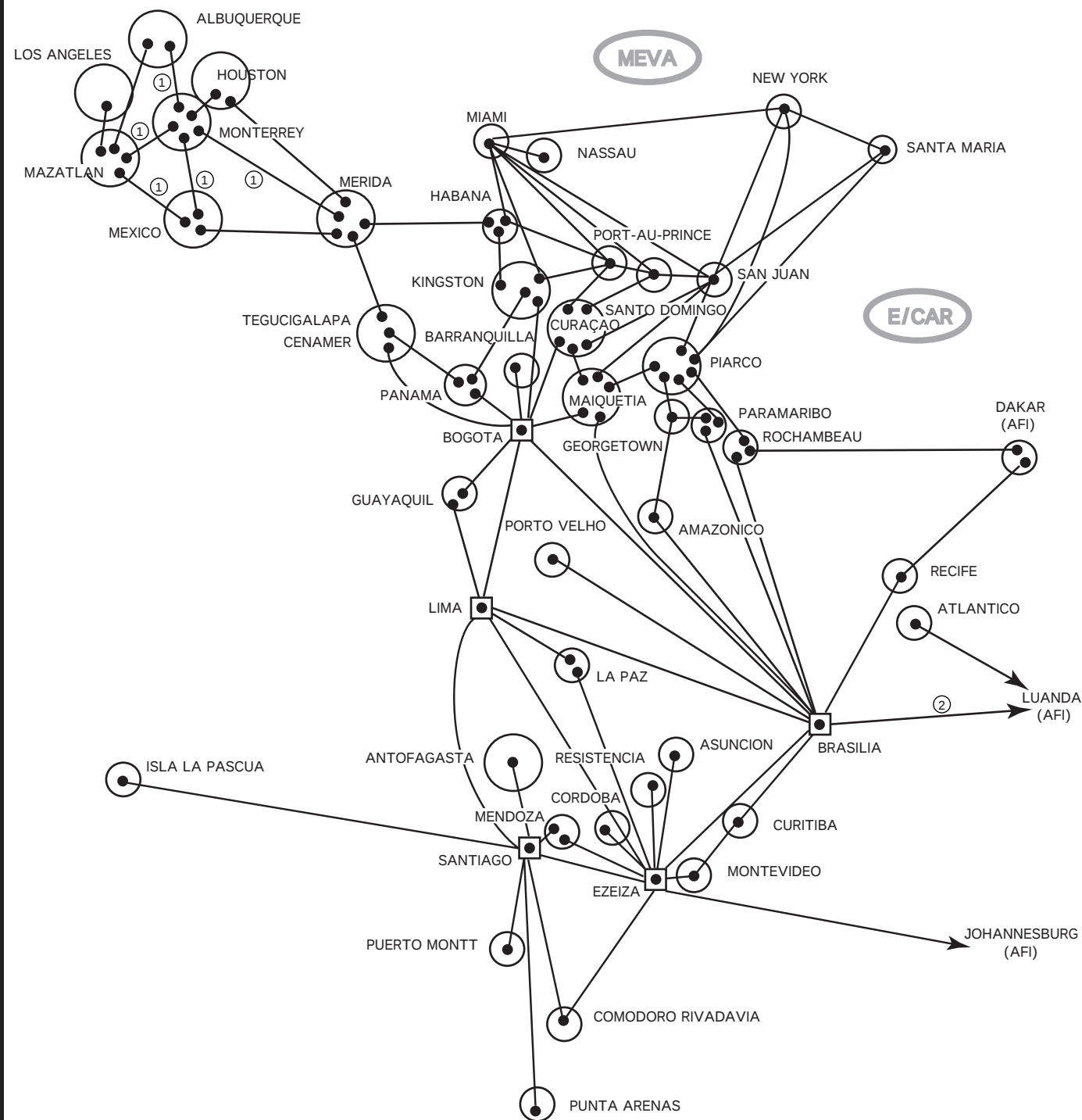
| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                                                                                                                                                                                                                                                                       |                                                                         | Circuit/Circuito                                                                                      |                                                                           |                                                          | Status of implementation<br>French<br>text<br>Estado de implantacion    | Remarks<br>Remarques<br>Observaciones                                                                   |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Terminal I                                                                                        | Terminal II                                                                                                                                                                                                                                                           | Type<br>Tipo                                                            | Service<br>Servicio                                                                                   | D/S                                                                       | To be switched via<br>French test<br>A ser conmutado via |                                                                         |                                                                                                         |
| 1                                                                                                 | 2                                                                                                                                                                                                                                                                     | 3                                                                       | 4                                                                                                     | 5                                                                         | 6                                                        | 7                                                                       | 8                                                                                                       |
| <b>SOUTH AFRICA</b>                                                                               |                                                                                                                                                                                                                                                                       |                                                                         |                                                                                                       |                                                                           |                                                          |                                                                         |                                                                                                         |
| Johannesburg ACC                                                                                  | Atlantico ACC<br>Ezeiza ACC<br>Montevideo ACC                                                                                                                                                                                                                         | A<br>A<br>A                                                             | LTF<br>LTF<br>LTF                                                                                     | <br>S<br>S                                                                | <br>EZEIZA<br>EZEIZA                                     | (2003)<br>I<br>I                                                        |                                                                                                         |
| <b>SURINAME</b>                                                                                   |                                                                                                                                                                                                                                                                       |                                                                         |                                                                                                       |                                                                           |                                                          |                                                                         |                                                                                                         |
| Paramaribo ACC                                                                                    | Amazonico ACC<br>Georgetown ACC<br>Piarco ACC<br>Rochambeau ACC                                                                                                                                                                                                       | A<br>A<br>A<br>A                                                        | LTF<br>LTF<br>LTF<br>LTF                                                                              | <br>D<br>D<br>IDD                                                         |                                                          | (2003)<br>I/P<br><br>I/P                                                | REDDIG<br><br>REDDIG                                                                                    |
| <b>TRINIDAD AND TOBAGO</b>                                                                        |                                                                                                                                                                                                                                                                       |                                                                         |                                                                                                       |                                                                           |                                                          |                                                                         |                                                                                                         |
| Piarco ACC                                                                                        | E.T. Joshua APP<br>Fort-de-France APP<br>Georgetown ACC<br>Grantley Adams APP<br>Maiquetia ACC<br>New York ACC<br>Paramaribo ACC<br>Pointe-a-Pitre APP<br>Pointe Salines APP<br>Rochambeau ACC<br>Saint Lucia APP<br>San Juan ACC<br>Santa Maria ACC<br>V.C. Bird APP | A<br>D<br>A<br>D<br>A<br>A<br>A<br>D<br>A<br>A<br>D<br>A<br>A<br>A<br>A | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF | D<br>D<br>D<br>D<br>D<br>D<br>D<br>D<br>D<br>D<br>IDD<br>D<br>D<br>D<br>D |                                                          | I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I | E/CAR<br>E/CAR<br>E/CAR<br>E/CAR<br>E/CAR<br><br>E/CAR<br>E/CAR<br><br>E/CAR<br>E/CAR<br>E/CAR<br>E/CAR |
| <b>TURKS AND CAICOS ISLANDS<br/>(United Kingdom)</b>                                              |                                                                                                                                                                                                                                                                       |                                                                         |                                                                                                       |                                                                           |                                                          |                                                                         |                                                                                                         |
| Providenciales TWR                                                                                | Miami ACC                                                                                                                                                                                                                                                             | A                                                                       | LTF                                                                                                   | D                                                                         |                                                          | I                                                                       |                                                                                                         |
| <b>UNITED STATES</b>                                                                              |                                                                                                                                                                                                                                                                       |                                                                         |                                                                                                       |                                                                           |                                                          |                                                                         |                                                                                                         |
| Albuquerque ACC                                                                                   | Mazatlán ACC<br>Monterrey ACC                                                                                                                                                                                                                                         | D<br>D                                                                  | LTF<br>LTF                                                                                            | D<br>D                                                                    |                                                          | I<br>I                                                                  |                                                                                                         |
| Houston ACC                                                                                       | Mérida ACC<br>Monterrey ACC                                                                                                                                                                                                                                           | A<br>D                                                                  | LTF<br>LTF                                                                                            | D<br>D                                                                    |                                                          | I<br>I                                                                  |                                                                                                         |
| Los Angeles ACC                                                                                   | Mazatlán ACC                                                                                                                                                                                                                                                          | D                                                                       | LTF                                                                                                   | D                                                                         |                                                          | I                                                                       |                                                                                                         |
| Miami ACC                                                                                         | Grand Turk TWR<br>Habana ACC<br>Nassau ACC<br>New York ACC<br>Port-au-Prince ACC<br>San Juan ACC<br>Santo Domingo ACC                                                                                                                                                 | A<br>D<br>D<br>D<br>A<br>D<br>D                                         | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF                                                         | D<br>2D/1S<br>2D/1S<br>D<br>S<br>S<br>S                                   | MEVA<br>MEVA<br><br>MEVA<br>MEVA<br>MEVA                 | I<br>I<br>I<br>I<br>I<br>I<br>I                                         | MEVA<br>MEVA                                                                                            |
| New York ACC                                                                                      | Miami ACC<br>Piarco ACC<br>San Juan ACC                                                                                                                                                                                                                               | D<br>A<br>D                                                             | LTF<br>LTF<br>LTF                                                                                     | D<br>D<br>D                                                               |                                                          | I<br>I<br>I                                                             |                                                                                                         |
| Oakland ACC                                                                                       | Mazatlán ACC                                                                                                                                                                                                                                                          | A                                                                       | LTF                                                                                                   | D                                                                         |                                                          | I                                                                       |                                                                                                         |

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                                                                                                                              |                                      | Circuit/Circuito                                     |                                     |                                                          | Status of<br>implementation<br>French<br>text<br>Estado de<br>implantacion | Remarks<br>Remarques<br>Observaciones                   |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------|-------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------|
| Terminal I                                                                                        | Terminal II                                                                                                                  | Type<br>Tipo                         | Service<br>Servicio                                  | D/S                                 | To be switched via<br>French test<br>A ser conmutado via |                                                                            |                                                         |
| 1                                                                                                 | 2                                                                                                                            | 3                                    | 4                                                    | 5                                   | 6                                                        | 7                                                                          | 8                                                       |
| <b>URUGUAY</b>                                                                                    |                                                                                                                              |                                      |                                                      |                                     |                                                          |                                                                            |                                                         |
| Carrasco APP                                                                                      | Baires APP<br>Ezeiza ACC                                                                                                     | D<br>A                               | LTF<br>LTF                                           | D<br>D                              |                                                          | I                                                                          |                                                         |
| Colonia TWR                                                                                       | Aeroparque TWR                                                                                                               | A                                    | LTF                                                  | D                                   |                                                          | I                                                                          |                                                         |
| Montevideo ACC                                                                                    | Atlantico ACC<br>Baires APP<br>Curitiba ACC<br>Ezeiza ACC<br>Johannesburg ACC<br>Resistencia ACC                             | A<br>D<br>D<br>A<br>A<br>A           | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF               | <br>D<br>D<br>S<br>S<br>S           | <br><br><br>EZEIZA<br>EZEIZA<br>EZEIZA                   | (2003)<br><br>I/P<br>I/P<br>I<br>I/P                                       | <br><br><br>REDDIG<br>REDDIG<br><br>REDDIG              |
| <b>VENEZUELA</b>                                                                                  |                                                                                                                              |                                      |                                                      |                                     |                                                          |                                                                            |                                                         |
| Josefa Camejo TWR                                                                                 | Aruba APP                                                                                                                    | A                                    | LTF                                                  | D                                   |                                                          |                                                                            |                                                         |
| Maiquetía ACC                                                                                     | Amazonico ACC<br>Barranquilla ACC<br>Bogotá ACC<br>Cúcuta APP<br>Curacao ACC<br>Georgetown ACC<br>Piarco ACC<br>San Juan ACC | A<br>A<br>A<br>A<br>A<br>A<br>A<br>A | LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF<br>LTF | <br>S<br>S<br>D<br>D<br>D<br>D<br>D | <br><br>BOGOTA<br>BOGOTA                                 | (2003)<br>I/P<br>I/P<br>I<br>I<br>I/P<br>I<br>I                            | <br><br>REDDIG<br>REDDIG<br><br><br>REDDIG<br><br>E/CAR |
| San Antonio TWR                                                                                   | Cúcuta APP<br>Cúcuta TWR                                                                                                     | A<br>A                               | LTF<br>LTF                                           | D<br>D                              |                                                          | I<br>I                                                                     |                                                         |
| <b>VIRGIN ISLANDS<br/>(United Kingdom)</b>                                                        |                                                                                                                              |                                      |                                                      |                                     |                                                          |                                                                            |                                                         |
| Beef Island TWR                                                                                   | San Juan ACC                                                                                                                 | A                                    | LTF                                                  | D                                   |                                                          | I                                                                          |                                                         |

ATS SPEECH CIRCUITS AND SWITCHES  
CIRCUITS VOCAUX ET CENTRES DE COMMUTATION ATS  
CONMUTADORES Y CIRCUITOS ORALES ATS

CAR/SAM FASID

CHART CNS 3



| LEGEND                                                                                                                                                                                                                                                                                                                                                                                                        | LÉGENDE | CLAVE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| AREA CONTROL CENTRES<br>CENTRES DE CONTRÔLE RÉGIONAL<br>CENTROS DE CONTROL DE ÁREA                                                                                                                                                                                                                                                                                                                            |         |       |
| SWITCHING CENTRES<br>CENTRES DE COMMUTATION<br>CENTROS DE CONMUTACIÓN                                                                                                                                                                                                                                                                                                                                         | ACC     |       |
| ATS DIRECT SPEECH CIRCUITS<br>CIRCUITS DE COMMUNICATIONS VOCALES DIRECTES ATS<br>CIRCUITOS ORALES DIRECTOS ATS                                                                                                                                                                                                                                                                                                |         | ①     |
| AS SOON AS DAKAR CONSIDERS IT NECESSARY TO ESTABLISH A LINK WITH<br>LUANDA AND OTHER CENTRES, DAKAR AND BRASILIA COULD BE LINKED.<br>DÈS QUE DAKAR JUGÈRA NÉCESSAIRE D'ÉTABLIR UNE LIAISON AVEC LUANDA<br>ET D'AUTRES CENTRES, DAKAR ET BRASILIA POURRONT ÊTRE RELIÉS.<br>TAN PRONTO COMO DAKAR CONSIDERE NECESARIO ESTABLECER LA CONEXIÓN<br>CON LUANDA Y OTROS CENTROS, DAKAR Y BRASILIA PODRÁN CONECTARSE. |         | ②     |

**Table CNS 1C\* — Tableau CNS 1C\* — Tabla CNS 1C\***

**ATS SPEECH CIRCUITS PLAN (BRAZIL)**  
**FRENCH**  
**PLAN DE CIRCUITOS ORALES ATS (BRAZIL)**

## EXPLANATION OF THE TABLE

*Column*

- 1 and 2      Circuit terminal stations are listed alphabetically by the Terminal I.
- 3            A — indicates ATS requirement for the establishment of voice communication within 15 seconds.  
D — indicates requirements for instantaneous communications.
- 4            Type of service specified:  
  
LTF — landline telephone (landline, cable, UHF, VHF, satellite).  
RTF — radiotelephone.
- 5            Type of circuits; Direct (DIR) or Switched (SW).  
  
D — indicates a direct circuit connecting Terminals I and II.  
S — indicates that a direct circuit does not exist and that the connection is established via switching at the switching centre(s) indicated in column 6.  
IDD — International direct dialling by public switch telephone network
- Note 1.— Number of D and/or S circuits between Terminals I and II are indicated by numerical prefix, i.e. 2 D/S means 2 direct circuits and one switched circuit.*
- Note 2.— Pending the implementation of proper ATS voice circuits, and provided that aeronautical operational requirements are met, IDD services may be used for the ATS voice communications in low traffic areas.*
- 6            Location of switching centre(s). Alternate routing location, if available, is indicated in brackets.
- Note 3.— The following networks have been identified in the table for providing the connection between terminals:*
- CAMSAT — COCESNA Satellite Communication Network  
E/CAR — Eastern Caribbean Network  
MEVA — Central Caribbean MEVA Satellite Digital Network  
REDDIG — SAM Digital Network
- 7            Status of Implementation. Following codes are used in this column:  
  
a) I — if the circuit is implemented.

*Note 4.— If the circuit is implemented but there are short-term plans to establish it in other private/public network(s), the symbol I/P shall be introduced indicating in Column 8 — Remarks, the future network environment for the circuit.*

b) No indication or mark if the circuit is not implemented and its implementation date is unknown.

c) If the circuit is not implemented but its implementation date is available, same is indicated in brackets.

8 Remarks/notes.

#### EXPLICATION DU TABLEAU

#### EXPLICACIÓN DE LA TABLA

##### Columna

- 1 y 2 Las estaciones terminales de los circuitos se enumeran alfabéticamente por la estación Terminal I.
- 3 A — indica requisitos ATS para las comunicaciones de voz que deberían ser establecidos en 15 segundos.  
D — indica requisitos para comunicaciones instantáneas.
- 4 Tipo de servicio especificado:  
LTF — telefonía por circuito terrestre (circuito terrestre, cable UHF, VHF, satélite).  
RTF — radiotelefonía
- 5 Tipo de circuitos, Directo (DIR) o Conmutado (SW).  
D — indica que el circuito mostrado en la Terminal I y II es un circuito directo.  
S — indica que no existe un circuito directo y que el requisito será proporcionado a través del (de los) centro(s) conmutadores indicados en la columna 6.  
IDD — Servicio de discado directo internacional por la red telefonica conmutada pública

*Nota 1.— El número de circuitos D y/o S entre los Terminales I y II es indicado por un prefijo numérico; ejemplo, 2 D/S significa 2 circuitos directos y un conmutado.*

*Nota 2.— Hasta la implantación de los circuitos orales ATS apropiados, siempre que satisfagan los requerimientos operacionales aeronáuticos, podrán usarse los servicios IDD para las comunicaciones orales ATS en las zonas de baja densidad de tránsito.*

- 6 Localización de centro(s) conmutadores. Si se dispone, la localidad alterna de encaminamiento es indicada entre paréntesis.

*Nota 3.— Las siguientes redes han sido identificadas en la tabla para proveer la conexión entre los terminales:*

*CAMSAT — Red de Comunicaciones via Satelite de COCESNA*

*E/CAR — Red Digital del Caribe del Este*

*MEVA — Red Digital Satelital MEVA del Caribe Central*

*REDDIG — Red Digital SAM*

- 7 Estado de implantación. Se utilizan los siguientes códigos en esta columna:

a) I — si el circuito está implantado.

*Nota 4.— Si el circuito está implantado, pero existen planes a corto plazo para establecerlo dentro de otra red pública/privada, el símbolo I/P debe colocarse indicando en la Columna 8 — Observaciones, el futuro ambiente de red para el circuito.*

- b) ninguna indicación o marca, si el circuito no está implantado y la fecha de implantación es desconocida.
- c) si el circuito no está implantado, pero la fecha de implantación está disponible, ésta es indicada entre paréntesis.

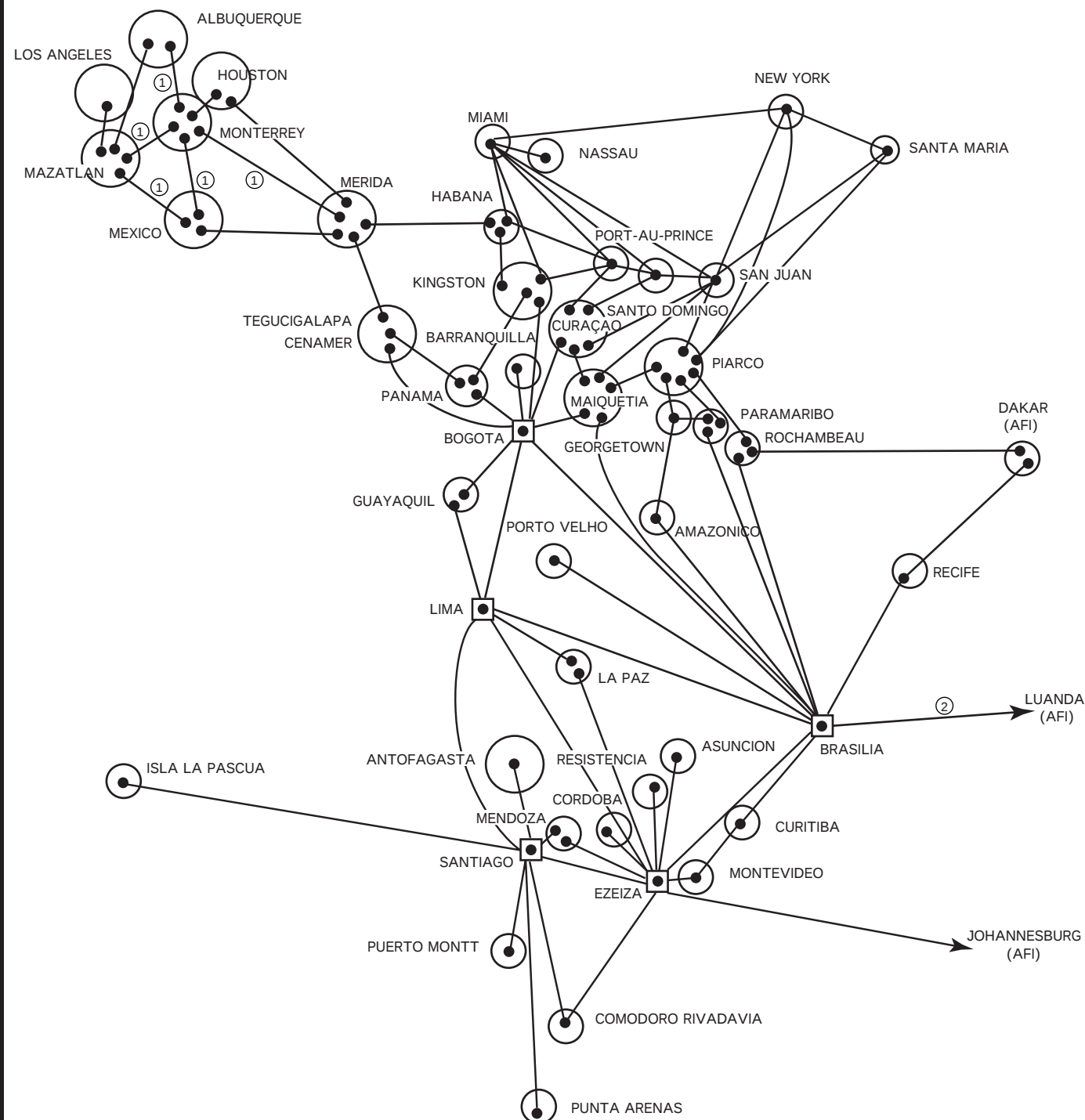
8 Observaciones/notas.

| ATS requirements for speech communications<br>French<br>Requisitos ATS para comunicaciones orales |                      |               | Circuit/Circuito     |     |                                            | Status of<br>implementation<br>French<br>test<br>Estado de<br>implantación | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------------------------------------------------|----------------------|---------------|----------------------|-----|--------------------------------------------|----------------------------------------------------------------------------|---------------------------------------|
| Terminal I                                                                                        | Terminal II          | Type/<br>Tipo | Service/<br>Servicio | D/S | To be switched via/<br>A ser conmutado via |                                                                            |                                       |
| 1                                                                                                 | 2                    | 3             | 4                    | 5   | 6                                          | 7                                                                          | 8                                     |
| <b>BRAZIL</b>                                                                                     |                      |               |                      |     |                                            |                                                                            |                                       |
| Belem ACC                                                                                         | Brasilia ACC         | A             | LTF                  | S   | BRASILIA                                   | I                                                                          | REDDIG                                |
|                                                                                                   | Manaus ACC           | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Paramaribo ACC       | A             | LTF                  | S   | BRASILIA                                   | I/P                                                                        |                                       |
|                                                                                                   | Recife ACC           | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Rochambeau ACC       | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
| Brasilia ACC                                                                                      | Belem ACC            | A             | LTF                  | S   | BRASILIA                                   | I                                                                          | REDDIG                                |
|                                                                                                   | Johannesburg ACC     | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Curitiba ACC         | D             | LTF                  | D   |                                            | I                                                                          |                                       |
|                                                                                                   | La Paz ACC           | A             | LTF                  | S   | LIMA (EZEIZA)                              | I/P                                                                        |                                       |
|                                                                                                   | Luanda ACC           | A             | LTF                  | IDD |                                            |                                                                            |                                       |
|                                                                                                   | Manaus ACC           | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Porto Velho ACC      | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Recife ACC           | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
| Curitiba ACC                                                                                      | Asunción ACC         | A             | LTF                  | S   | EZEIZA                                     | I                                                                          | REDDIG<br>REDDIG<br>REDDIG            |
|                                                                                                   | Brasilia ACC         | D             | LTF                  | D   |                                            | I                                                                          |                                       |
|                                                                                                   | Foz APP              | D             | LTF                  | D   |                                            | I                                                                          |                                       |
|                                                                                                   | La Paz ACC           | A             | LTF                  | S   | EZEIZA(LIMA)                               | I/P                                                                        |                                       |
|                                                                                                   | Montevideo ACC       | A             | LTF                  | D   |                                            | I/P                                                                        |                                       |
|                                                                                                   | Resistencia ACC      | A             | LTF                  | S   | BRASILIA                                   | I/P                                                                        |                                       |
| Foz APP                                                                                           | Asunción ACC         | A             | LTF                  | D   |                                            |                                                                            |                                       |
|                                                                                                   | Cataratas del Iguazú |               |                      |     |                                            |                                                                            |                                       |
|                                                                                                   | TWR                  | D             | LTF                  | D   |                                            | I                                                                          |                                       |
|                                                                                                   | Curitiba ACC         | D             | LTF                  | D   |                                            | I                                                                          |                                       |
|                                                                                                   | Guaraní APP          | D             | LTF                  | D   |                                            | I                                                                          |                                       |
| Manaus ACC                                                                                        | Resistencia ACC      | A             | LTF                  | D   |                                            | I                                                                          | REDDIG<br>REDDIG<br>REDDIG            |
|                                                                                                   | Belem ACC            | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Bogotá ACC           | A             | LTF                  | S   | BRASILIA                                   | I/P                                                                        |                                       |
|                                                                                                   | Brasilia ACC         | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Georgetown ACC       | A             | LTF                  | IDD |                                            |                                                                            |                                       |
|                                                                                                   | Maiquetía ACC        | A             | LTF                  | S   | BRASILIA                                   | I/P                                                                        |                                       |
| Porto Velho ACC                                                                                   | Porto Velho ACC      | A             | LTF                  | S   | BRASILIA                                   | I                                                                          | REDDIG<br>REDDIG<br>REDDIG            |
|                                                                                                   | Amazonas APP         | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Brasilia ACC         | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Bogotá ACC           | A             | LTF                  | S   | BRASILIA                                   | I/P                                                                        |                                       |
|                                                                                                   | La Paz ACC           | A             | LTF                  | S   | BRASILIA                                   | I/P                                                                        |                                       |
|                                                                                                   | Lima ACC             | A             | LTF                  | S   | BRASILIA                                   | I/P                                                                        |                                       |
| Recife ACC                                                                                        | Manaus ACC           | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Dakar ACC            | A             | LTF                  | D   |                                            | I                                                                          |                                       |
|                                                                                                   | Brasilia ACC         | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
| Tabatinga Radio                                                                                   | Belem ACC            | A             | LTF                  | S   | BRASILIA                                   | I                                                                          |                                       |
|                                                                                                   | Amazonas APP         | D             | LTF                  | D   |                                            | I                                                                          |                                       |

CURRENT ATS SPEECH CIRCUITS AND SWITCHES  
CIRCUITS VOCAUX ET CENTRES DE COMMUTATION ATS ACTUELS  
CONMUTADORES Y CIRCUITOS ORALES ATS ACTUALES

CAR/SAM FASID

CHART CNS 3\*

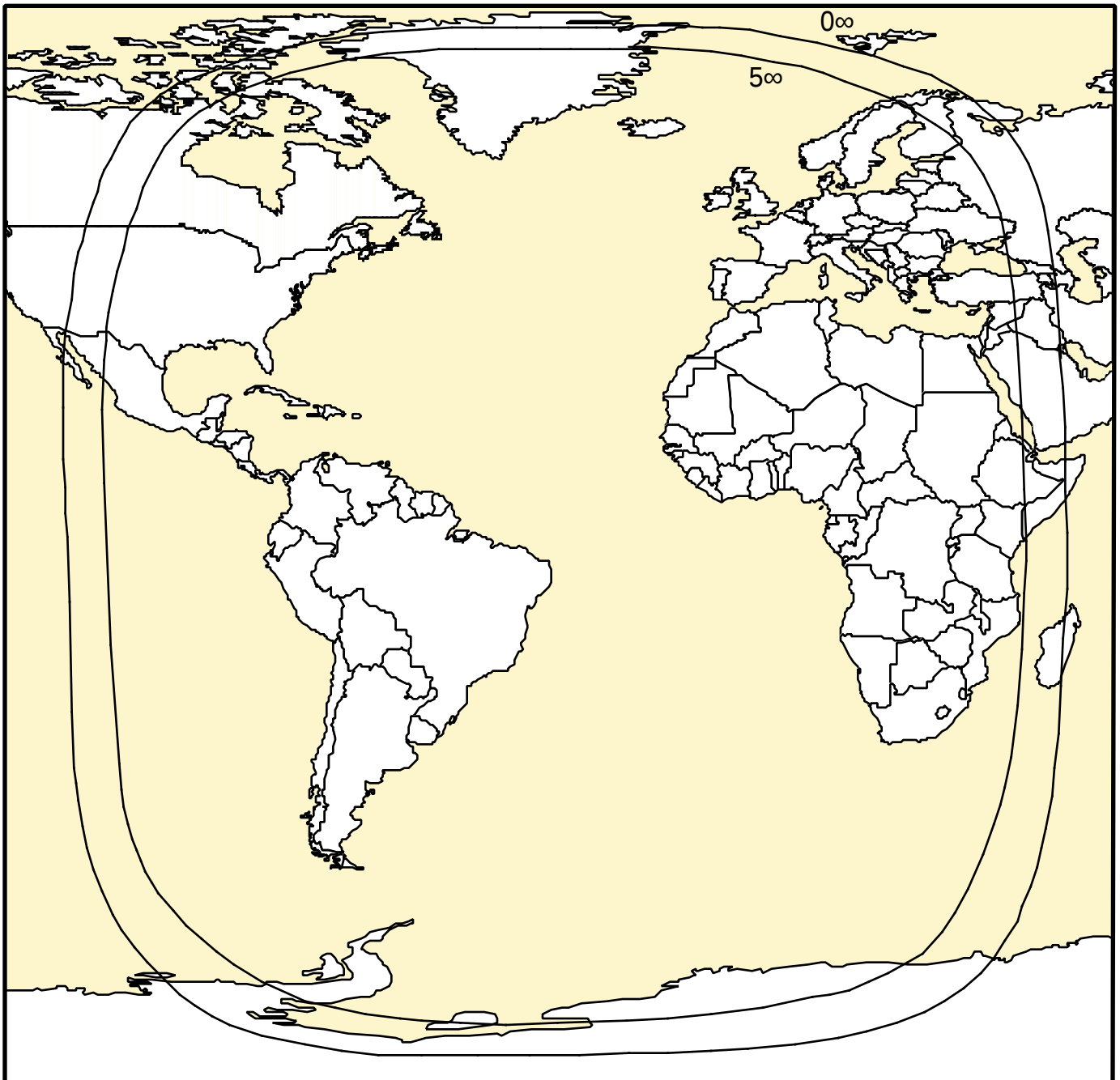


| LEGEND                                                                                                                                                                                                                                                                                                                                                                                                        | LÉGENDE | CLAVE |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| AREA CONTROL CENTRES<br>CENTRES DE CONTRÔLE RÉGIONAL<br>CENTROS DE CONTROL DE ÁREA                                                                                                                                                                                                                                                                                                                            |         |       |
| SWITCHING CENTRES<br>CENTRES DE COMMUTATION<br>CENTROS DE CONMUTACIÓN                                                                                                                                                                                                                                                                                                                                         | ACC     |       |
| ATS DIRECT SPEECH CIRCUITS<br>CIRCUITS DE COMMUNICATIONS VOCALES DIRECTES ATS<br>CIRCUITOS ORALES DIRECTOS ATS                                                                                                                                                                                                                                                                                                |         | ①     |
| AS SOON AS DAKAR CONSIDERS IT NECESSARY TO ESTABLISH A LINK WITH<br>LUANDA AND OTHER CENTRES, DAKAR AND BRASILIA COULD BE LINKED.<br>DÈS QUE DAKAR JUGERA NÉCESSAIRE D'ÉTABLIR UNE LIAISON AVEC LUANDA<br>ET D'AUTRES CENTRES, DAKAR ET BRASILIA POURRONT ÊTRE RELIÉS.<br>TAN PRONTO COMO DAKAR CONSIDERE NECESARIO ESTABLECER LA CONEXIÓN<br>CON LUANDA Y OTROS CENTROS, DAKAR Y BRASILIA PODRÁN CONECTARSE. |         | ②     |

COVERAGE OF THE INTERNATIONAL SATELLITE COMMUNICATIONS SYSTEM (ISCS)  
USING INTELSAT 603 AT 34.5°W  
COUVERTURE PAR INTELSAT DU SYSTÈME DE COMMUNICATIONS  
INTERNATIONALES (ISCS) 603 À 34,5°W  
COBERTURA DEL SISTEMA INTERNACIONAL DE COMUNICACIONES POR SATÉLITE (ISCS)  
UTILIZANDO INTELSAT 603 A 34,5°W

CAR/SAM FASID

CHART CNS 4



## Table CNS 2A — Tableau CNS 2A — Tabla CNS 2A

### AERONAUTICAL MOBILE SERVICE AND AMSS FRENCH SERVICIO MÓVIL AERONÁUTICO Y AMSS

#### EXPLANATION OF THE TABLE

*Column*

- |          |                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------|
| 1        | The name of the State and the locations within the same where the service is provided.                                    |
| 2        | The required services or functions are provided. Suitable abbreviations for these services or functions are listed below. |
| ACC-L    | Area control service for flights up to FL250.                                                                             |
| ACC-SR-I | Area radar control service up to FL250.                                                                                   |
| ACC-SR-U | Area radar control service up to FL450.                                                                                   |
| ACC-U    | Area control service up to FL450.                                                                                         |
| AFIS     | Aerodrome flight information service.                                                                                     |
| APP-L    | Approach control services below FL120.                                                                                    |
| APP-I    | Approach control service below FL250.                                                                                     |
| APP-PAR  | Precision approach radar service up to FL40.                                                                              |
| APP-SR-I | Surveillance radar approach control service up to FL250.                                                                  |
| APP-SR-L | Surveillance radar approach control service up to FL120.                                                                  |
| APP-SR-U | Surveillance radar approach control service up to FL450.                                                                  |
| APP-U    | Approach control service below FL450.                                                                                     |
| ATIS     | Automatic terminal information service.                                                                                   |
| D-ATIS   | Data link-automatic terminal information service.                                                                         |
| CLRD     | Clearance delivery.                                                                                                       |
| FIS      | Flight information service.                                                                                               |
| VHF-ER   | VHF — Extended range.                                                                                                     |
-

|    |        |                                                                                                                                                                                                                                                                                                                                                                                  |
|----|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | GP     | Facility providing VHF or HF en-route general purpose system (GPS) communication. These facilities provide air-ground radiotelephony for all categories of messages listed in Annex 10, Volume II, 5.1.8. This system of communication is normally indirect, i.e. exchanged through the intermediary of a third person who is usually a communicator at an aeronautical station. |
|    | SMC    | Surface movement control up to limits of aerodrome.                                                                                                                                                                                                                                                                                                                              |
|    | TWR    | Aerodrome control service.                                                                                                                                                                                                                                                                                                                                                       |
|    | VOLMET | VOLMET broadcast.                                                                                                                                                                                                                                                                                                                                                                |
| 3  |        | Number of voice VHF channels for the corresponding services indicated in column 2. The number of implemented channels is shown in parentheses.                                                                                                                                                                                                                                   |
| 4  |        | Number of VHF channels for data communication for the corresponding services indicated in column 2. The implementation date (month/year) is shown in parentheses.                                                                                                                                                                                                                |
| 5  |        | HF network designators for the corresponding services indicated in column 2. The number of implemented frequencies is shown in parentheses.                                                                                                                                                                                                                                      |
| 6  |        | Requirement for HF data link (x) for the corresponding services indicated in column 2. The implementation date (month/year) of the service is shown in parentheses.                                                                                                                                                                                                              |
| 7  |        | Requirement for satellite voice communications (x) for the corresponding services indicated in column 2. The implementation date (month/year) of the service is shown in parentheses.                                                                                                                                                                                            |
| 8  |        | Requirement for satellite data communications (x) for the corresponding services indicated in column 2. The implementation date (month/year) of the service is shown in parentheses.                                                                                                                                                                                             |
| 9  |        | Requirement for Mode S data communications (x) for the corresponding services indicated in column 2. The implementation date (month/year) of the service is shown in parentheses.                                                                                                                                                                                                |
| 10 |        | Remarks.                                                                                                                                                                                                                                                                                                                                                                         |

*Note.— The implementation year for the data links and satellite voice communication are indicated by two digits.*

#### EXPLICATION DU TABLEAU

#### EXPLICACIÓN DE LA TABLA

##### Columna

- |   |                                                                                                                                           |
|---|-------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | El nombre del Estado y de las localidades dentro del mismo donde es proporcionado el servicio.                                            |
| 2 | Los servicios o funciones que requieren ser proporcionadas. Abreviaciones adecuadas para estos servicios o funciones se listan más abajo. |
|   | ACC-L Servicio de control de área hasta FL250.                                                                                            |
|   | ACC-SR-I Servicio de control de área radar hasta FL250.                                                                                   |
|   | ACC-SR-U Servicio de control de área radar hasta FL450.                                                                                   |

|   |                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | ACC-U                                                                                                                                                                                                | Servicio de control de área hasta FL450.                                                                                                                                                                                                                                                                                                                                                                                                                 |
|   | AFIS                                                                                                                                                                                                 | Servicio de información de vuelo de aeródromo.                                                                                                                                                                                                                                                                                                                                                                                                           |
|   | APP-L                                                                                                                                                                                                | Servicio de control de aproximación por debajo de FL120.                                                                                                                                                                                                                                                                                                                                                                                                 |
|   | APP-I                                                                                                                                                                                                | Servicio de control de aproximación por debajo de FL250.                                                                                                                                                                                                                                                                                                                                                                                                 |
|   | APP-PAR                                                                                                                                                                                              | Servicio radar para la aproximación de precisión hasta FL40.                                                                                                                                                                                                                                                                                                                                                                                             |
|   | APP-SR-I                                                                                                                                                                                             | Servicio de aproximación de control con radar de vigilancia hasta FL250.                                                                                                                                                                                                                                                                                                                                                                                 |
|   | APP-SR-L                                                                                                                                                                                             | Servicio de aproximación de control con radar de vigilancia hasta FL120.                                                                                                                                                                                                                                                                                                                                                                                 |
|   | APP-SR-U                                                                                                                                                                                             | Servicio de aproximación de control con radar de vigilancia hasta FL450.                                                                                                                                                                                                                                                                                                                                                                                 |
|   | APP-U                                                                                                                                                                                                | Servicio de control de aproximación por debajo de FL450.                                                                                                                                                                                                                                                                                                                                                                                                 |
|   | ATIS                                                                                                                                                                                                 | Servicio automático de información terminal.                                                                                                                                                                                                                                                                                                                                                                                                             |
|   | D-ATIS                                                                                                                                                                                               | Servicio automático de información terminal por enlace de datos.                                                                                                                                                                                                                                                                                                                                                                                         |
|   | CLRD                                                                                                                                                                                                 | Servicio de entrega de autorización de tránsito.                                                                                                                                                                                                                                                                                                                                                                                                         |
|   | FIS                                                                                                                                                                                                  | Servicio de información de vuelo.                                                                                                                                                                                                                                                                                                                                                                                                                        |
|   | VHF-ER                                                                                                                                                                                               | VHF — Rango extendido.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|   | GP                                                                                                                                                                                                   | Instalación que proporciona comunicaciones VHF o HF en ruta para fines generales (GPS). Estas instalaciones suministran transmisión radiotelefónica aeroterrestre en todas las categorías de mensajes sitadas en el Anexo 10, Vol II, 5.18. En este sistema las comunicaciones son normalmente indirectas, es decir, que son intercambiadas por intermedio de un tercero que habitualmente es un operador de comunicaciones de una estación aeronáutica. |
|   | SMC                                                                                                                                                                                                  | Control de movimiento de superficie hasta los límites del aeródromo.                                                                                                                                                                                                                                                                                                                                                                                     |
|   | TWR                                                                                                                                                                                                  | Servicio de control de aeródromo.                                                                                                                                                                                                                                                                                                                                                                                                                        |
|   | VOLMET                                                                                                                                                                                               | Radiodifusiones VOLMET.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3 | Número de canales VHF para comunicaciones orales para los correspondientes servicios indicados en la columna 2. El número de canales implementados se muestra en paréntesis.                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 4 | Número de canales VHF para comunicaciones en datos para los correspondientes servicios indicados en la columna 2. La fecha de implementación (mes/año) se muestra en paréntesis.                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5 | Designadores de red HF para comunicaciones orales para los correspondientes servicios indicados en la columna 2. El número de frecuencias implementados se muestra en paréntesis.                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 6 | Requerimiento para enlace de datos HF (x) para los correspondientes servicios indicados en la columna 2. La fecha de implementación (mes/año) del servicio se muestra en paréntesis.                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 7 | Requerimiento para comunicaciones orales por satélite (x) para los correspondientes servicios indicados en la columna 2. La fecha de implementación (mes/año) del servicio se muestra en paréntesis. |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 8 | Requerimiento para comunicaciones de datos por satélite (x) para los correspondientes servicios indicados en                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

la columna 2. La fecha de implementación (mes/año) del servicio se muestra en paréntesis.

9      Requerimiento para comunicaciones de datos en Modo S (x) para los correspondientes servicios indicados en la columna 2. La fecha de implementación (mes/año) del servicio se muestra en paréntesis.

10      Observaciones.

*Nota.— El año de implementación para los enlaces de datos y comunicaciones orales por satélite se indican en dos dígitos.*

| Country and Location/<br>País y Localidad             | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                       | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF   | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones               |
|-------------------------------------------------------|--------------------------------------------------|---------------------------------------------|------------------------------|-----------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|-----------------------------------------|
| 1                                                     | 2                                                | 3                                           | 4                            | 5                     | 6                       | 7                                          | 8                                        | 9      | 10                                      |
| <b>ANGUILLA (United Kingdom)</b>                      |                                                  |                                             |                              |                       |                         |                                            |                                          |        |                                         |
| TQPF THE VALLEY/Wall<br>Blake, Anguilla I.            | TWR                                              | (1) 1                                       |                              |                       |                         |                                            |                                          |        |                                         |
| <b>ANTIGUA AND BARBUDA</b>                            |                                                  |                                             |                              |                       |                         |                                            |                                          |        |                                         |
| TAPA SAINT JOHNS/<br>V.C. Bird Antigua I.             | APP<br>TWR<br>SMC<br>APP-SR-I                    | 1 (1)<br>1 (1)<br>1 (1)<br>1                |                              |                       |                         |                                            |                                          |        |                                         |
| <b>ARGENTINA</b>                                      |                                                  |                                             |                              |                       |                         |                                            |                                          |        |                                         |
| SAEU BUENOS AIRES                                     | ACC-U<br>GP                                      | 10 (4)<br>2                                 | 2 (06/05)                    | SAM-1(5)<br>SAM-2 (5) | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                                         |
| SABE BUENOS AIRES/<br>Aeroparque Jorge Newbery        | APP-L<br>APP-SR-I<br>TWR<br>SMC<br>ATIS<br>CLRD  | 1 (1)<br>1<br>1<br>1 (1)<br>1 (1)<br>1 (1)  |                              |                       |                         |                                            |                                          |        |                                         |
| SAEZ BUENOS AIRES/<br>Ezeiza, Ministro Pistarini      | APP-SR-I<br>APP-L<br>ATIS<br>SMC<br>TWR<br>CLRD  | 1 (1)<br>1<br>1 (1)<br>1 (1)<br>1 (1)<br>1* |                              |                       |                         |                                            |                                          |        | * Implementation<br>by 2002<br>Fr<br>Sp |
| SADD BUENOS AIRES/Don<br>Torcuato                     | TWR<br>SMC                                       | 1 (1)<br>1 (1)                              |                              |                       |                         |                                            |                                          |        |                                         |
| SADF BUENOS AIRES/San<br>Fernando                     | APP<br>TWR<br>SMC                                | 1<br>1 (1)<br>1 (1)                         |                              |                       |                         |                                            |                                          |        |                                         |
| SARI CATARATAS DEL<br>IGUAZU/My. Carlos<br>Eduardo K. | TWR                                              | 1 (1)                                       |                              |                       |                         |                                            |                                          |        |                                         |
| SAVF COMODORO<br>RIVADAVIA                            | ACC-U<br>ACC-L<br>GP                             | 2 (2)<br>1 (1)<br>1 (1)                     | 1 (06/06)                    | SAM-1 (5)             | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                                         |
| SAVC COMODORO<br>RIVADAVIA/General<br>Mosconi         | APP<br>TWR                                       | 1<br>1 (1)                                  |                              |                       |                         |                                            |                                          |        |                                         |
| SACF CORDOBA                                          | ACC-U<br>GP                                      | 3 (2)<br>1                                  | 1 (06/06)                    | SAM-1 (3)             |                         |                                            |                                          |        |                                         |
| SACO CORDOBA/Ing. A.<br>Taravella                     | APP-SR-I<br>TWR<br>SMC                           | 1<br>1 (1)<br>1 (1)                         |                              |                       |                         |                                            |                                          |        |                                         |
| SARF FORMOSA/Formosa                                  | APP-L<br>TWR                                     | 1<br>1 (1)                                  |                              |                       |                         |                                            |                                          |        |                                         |

| Country and Location/<br>País y Localidad                  | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF            | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones                                                   |
|------------------------------------------------------------|--------------------------------------------------|----------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|-----------------------------------------------------------------------------|
| 1                                                          | 2                                                | 3                                | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                                                                          |
| SASJ JUJUY/Gobernador<br>Guzmán                            | APP-SR-1<br>TWR                                  | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                                                                             |
| SAZM MAR DEL PLATA/<br>Brig. Gral. B. de la Colina         | APP-SR-I<br>TWR<br>SMC<br>ATIS                   | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                     |                         |                                            |                                          |        |                                                                             |
| SAMF MENDOZA                                               | ACC-U<br>GP                                      | 3 (1)<br>1 (1)                   | 1 (06/06)                    | SAM-1 (3)           |                         |                                            |                                          |        |                                                                             |
| SAME MENDOZA/EI<br>Plumerillo                              | APP-SR-I<br>TWR<br>SMC<br>ATIS                   | 1<br>1 (1)<br>1 (1)<br>1 (1)     |                              |                     |                         |                                            |                                          |        |                                                                             |
| SAZN NEUQUEN/Presidente<br>Perón                           | APP<br>TWR                                       | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                                                                             |
| SARP POSADAS/Libertador<br>Gral. D. José de San Martín     | APP-L<br>TWR                                     | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                                                                             |
| SARR RESISTENCIA                                           | ACC-U<br>GP                                      | 3 (2)<br>1 (1)                   | 1 (06/06)                    | SAM-1 (3)           | X (06/06)               |                                            |                                          |        |                                                                             |
| SARE RESISTENCIA/<br>Resistencia                           | APP-SR-I<br>TWR<br>ATIS                          | 1 (1)<br>1 (1)<br>1              |                              |                     |                         |                                            |                                          |        | Implementation<br>by 2002<br>French<br>text<br>Implementación<br>hacia 2002 |
| SAWG RIO GALLEGOS/<br>Piloto Civil N. Fernández            | APP-L<br>TWR<br>ATIS                             | 1 (1)<br>1 (1)<br>1 (1)          |                              |                     |                         |                                            |                                          |        |                                                                             |
| SAWE RIO GRANDE/<br>Rio Grande                             | APP<br>TWR                                       | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                                                                             |
| SAAR ROSARIO/Rosario                                       | APP-L<br>TWR<br>ATIS                             | 1<br>1 (1)<br>1                  |                              |                     |                         |                                            |                                          |        | Implementation by/<br>Implementación<br>hacia 2002                          |
| SASA SALTA/Salta                                           | APP-L<br>TWR<br>GP                               | 1<br>1 (1)<br>1 (1)              |                              |                     |                         |                                            |                                          |        |                                                                             |
| SAZS SAN CARLOS DE<br>BARILOCHE/San Carlos<br>de Bariloche | APP-SR-I<br>TWR<br>ATIS                          | 1<br>1 (1)<br>1 (1)              |                              |                     |                         |                                            |                                          |        |                                                                             |
| SANT TUCUMAN/Tte.<br>Benjamin Matienzo                     | APP-L<br>TWR<br>GP                               | 1<br>1 (1)<br>1 (1)              |                              |                     |                         |                                            |                                          |        |                                                                             |
| SAWH USHUAIA/Malvinas<br>Argentinas                        | APP-L<br>TWR<br>GP                               | 1<br>1 (1)<br>1 (1)              |                              |                     |                         |                                            |                                          |        |                                                                             |

| Country and Location/<br>País y Localidad                       | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                     | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-----------------------------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                               | 2                                                | 3                                         | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| <b>ARUBA (Netherlands)</b>                                      |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| TNCA ORANJESTAD/<br>Reina Beatriz, Aruba I.                     | APP-SR-L<br>APP-L<br>TWR<br>SMC<br>ATIS          | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                     |                         |                                            |                                          |        |                           |
| <b>BAHAMAS</b>                                                  |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| MYBS ALICE TOWN/<br>South Bimini, Bimini I.                     | TWR                                              | 1                                         |                              |                     |                         |                                            |                                          |        |                           |
| MYSM COCKBURN TOWN/<br>San Salvador I.                          | TWR                                              | 1                                         |                              |                     |                         |                                            |                                          |        |                           |
| MYGF FREEPORT/Intl.,<br>Grand Bahama I.                         | APP-U<br>APP-L<br>TWR<br>SMC                     | 1<br>1<br>1<br>1                          |                              |                     |                         |                                            |                                          |        |                           |
| MYEG GEORGETOWN/<br>Georgetown, Exuma Intl.                     | APP-L<br>TWR                                     | 1<br>1                                    |                              |                     |                         |                                            |                                          |        |                           |
| MYEM GOVERNOR'S<br>HARBOUR/ Governor's<br>Harbour, Eleuthera I. | APP-L<br>TWR                                     | 1<br>1                                    |                              |                     |                         |                                            |                                          |        |                           |
| MYNA NASSAU                                                     | ACC-U<br>GP<br>ACC-L                             | 3<br>1<br>1                               |                              |                     |                         |                                            |                                          |        |                           |
| MYNN NASSAU/Intl.,<br>New Providence I.                         | APP-I<br>TWR<br>SMC<br>APP-SR-I                  | 1<br>1<br>1<br>1                          |                              |                     |                         |                                            |                                          |        |                           |
| MYEH NORTH ELEUTHERA/<br>New Providence I.                      | TWR                                              | 1<br>1                                    |                              |                     |                         |                                            |                                          |        |                           |
| MYLS STELLA MARIS/Long<br>Island I.                             | TWR                                              | 1                                         |                              |                     |                         |                                            |                                          |        |                           |
| MYAT TREASURE CAY/<br>Treasure Cay, Abaco I.                    | TWR<br>APP-L                                     | 1<br>1                                    |                              |                     |                         |                                            |                                          |        |                           |
| MYGW WEST END/West<br>End, Grand Bahama I.                      | TWR                                              | 1                                         |                              |                     |                         |                                            |                                          |        |                           |
| <b>BARBADOS</b>                                                 |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| TBPB BRIDGETOWN/<br>Grantley Adams Intl.                        | APP-U<br>APP-I<br>TWR<br>SMC<br>APP-SR-U         | 1<br>5<br>1<br>1<br>1                     |                              |                     |                         |                                            |                                          |        |                           |
| <b>BELIZE</b>                                                   |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| MZBZ BELIZE/Intl.                                               | APP-I<br>APP-I<br>TWR<br>SMC                     | 1<br>1<br>1<br>1                          |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad     | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                     | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF         | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------|-----------------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                             | 2                                                | 3                                         | 4                            | 5                           | 6                       | 7                                          | 8                                        | 9      | 10                        |
| <b>BOLIVIA</b>                                |                                                  |                                           |                              |                             |                         |                                            |                                          |        |                           |
| SLCB COCHABAMBA/Jorge<br>Wilsterman           | TWR<br>APP-I<br>SMC                              | 1 (1)<br>2 (1)<br>1 (1)                   |                              |                             |                         |                                            |                                          |        |                           |
| SLLP LA PAZ                                   | ACC-U<br>ACC-U<br>GP<br>ACC-L                    | 1<br>1 (1)-ER<br>1<br>1 (1)               | 1 (06/06)                    | SAM-1 (3)<br>SAM-2 (3)      | X (06/06)               |                                            |                                          |        |                           |
| SLLP LA PAZ/EI Alto Intl.                     | APP-I<br>TWR<br>SMC<br>ATIS                      | 3<br>1 (1)<br>1 (1)<br>1                  |                              |                             |                         |                                            |                                          |        |                           |
| SLVR SANTA CRUZ/Viru-Viru<br>Intl.            | APP-I<br>TWR<br>SMC<br>ATIS                      | 3 (1)<br>1 (1)<br>1 (1)<br>1              |                              |                             |                         |                                            |                                          |        |                           |
| SLTJ TARIJA/Oriel Lea Plaza                   | APP-I<br>TWR                                     | 1 (1)<br>1 (1)                            |                              |                             |                         |                                            |                                          |        |                           |
| SLTR TRINIDAD/Tte. Av.<br>Jorge Henrich Arauz | APP-I<br>TWR<br>SMC                              | 2 (1)<br>1 (1)<br>1                       |                              |                             |                         |                                            |                                          |        |                           |
| <b>BRAZIL</b>                                 |                                                  |                                           |                              |                             |                         |                                            |                                          |        |                           |
| SB.. AMAZONICA                                | ACC-SR-U<br>GP                                   | 24 (24)<br>1                              | 2 (06/08)                    | SAM-2 (4)                   | X (06/08)               |                                            |                                          |        |                           |
| SB.. ATLANTICA                                | ACC-U                                            |                                           |                              | SAM-2 (4)<br>SAT-1<br>SAT-2 | X (06/08)               | X (06/08)                                  | X (06/68)                                |        |                           |
| SBBE BELEM/Val de Cães<br>Intl.               | APP-SR-I<br>TWR<br>SMC                           | 4 (4)<br>1 (1)<br>1 (1)                   |                              |                             |                         |                                            |                                          |        |                           |
| SBCF BELO HORIZONTE/<br>Tancredo Neves Intl.  | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS           | 4 (4)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) | 1 (06/01)                    |                             |                         |                                            |                                          |        |                           |
| SBBS BRASILIA                                 | ACC-SR-U                                         | 16 (16)                                   | 8 (06/05)                    | SAM-2 (4)                   | X (06/08)               |                                            |                                          |        |                           |
| SBBR BRASILIA/Brasilia Intl.                  | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS           | 4 (3)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) | 1 (06/01)                    |                             |                         |                                            |                                          |        |                           |
| SBBV BOA VISTA/<br>Boa Vista Intl.            | APP-I<br>TWR<br>SMC                              | 1 (1)<br>2 (2)<br>1                       |                              |                             |                         |                                            |                                          |        |                           |
| SBKP CAMPINAS/Viracopos<br>Intl.              | APP-SR-I<br>TWR<br>SMC                           | 1 (1)<br>1 (1)<br>1                       |                              |                             |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad      | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                 | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|------------------------------------------------|--------------------------------------------------|---------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                              | 2                                                | 3                                     | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| SBCG CAMPO GRANDE/<br>Campo Grande Intl.       | APP-SR-I<br>TWR<br>ATIS                          | 1 (1)<br>1 (1)<br>1                   |                              |                     |                         |                                            |                                          |        |                           |
| SBCR CORUMBA/<br>Corumba Intl.                 | AFIS                                             | 1 (1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| SBCZ CRUZEIRO DO SUL/<br>Cruzeiro do Sul Intl. | AFIS                                             | 1 (1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| SBCY CUIABA/Marechal<br>Rondon Intl.           | APP-SR-I<br>TWR                                  | 1 (1)<br>1 (1)                        |                              |                     |                         |                                            |                                          |        |                           |
| SBCW CURITIBA                                  | ACC-SR-U                                         | 10 (10)                               | 2 (06/05)                    | SAM-2 (4)           | X (06/08)               |                                            |                                          |        |                           |
| SBCT CURITIBA/<br>Afonso Peña Intl.            | APP-SR-I<br>TWR<br>ATIS<br>SMC<br>CLRD           | 3 (3)<br>2 (2)<br>1<br>1 (1)<br>1 (1) |                              |                     |                         |                                            |                                          |        |                           |
| SBFL FLORIANÓPOLIS/<br>Hercílio Luz Intl.      | APP-SR-I<br>TWR<br>SMC                           | 3 (3)<br>2 (2)<br>1                   |                              |                     |                         |                                            |                                          |        |                           |
| SBFZ FORTALEZA/<br>Pinto Martins Intl.         | APP-SR-I<br>TWR<br>SMC<br>CLRD                   | 2 (2)<br>1 (1)<br>1 (1)<br>1 (1)      |                              |                     |                         |                                            |                                          |        |                           |
| SBFI FOZ DO IGUAÇU/<br>Cataratas Intl.         | APP-SR-I<br>TWR                                  | 2 (2)<br>1 (1)                        |                              |                     |                         |                                            |                                          |        |                           |
| SBMQ MACAPA/<br>Macapa Intl.                   | APP-I<br>TWR                                     | 1<br>1                                |                              |                     |                         |                                            |                                          |        |                           |
| SBEG MANAUS/Eduardo<br>Gomes Intl.             | APP-SR-I<br>TWR<br>SMC                           | 4 (4)<br>1 (1)<br>1 (1)               |                              |                     |                         |                                            |                                          |        |                           |
| SBNT NATAL/Augusto Severo<br>Intl.             | APP-SR-I<br>TWR<br>SMC<br>CLRD                   | 4 (4)<br>2 (2)<br>1 (1)<br>1          |                              |                     |                         |                                            |                                          |        |                           |
| SBPP PONTA PORÃ/<br>Ponta Porã Intl.           | AFIS                                             | 1 (1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| SBPA PORTO ALEGRE/<br>Salgado Filho Intl.      | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS           | 4 (4)<br>1 (1)<br>1 (1)<br>1<br>1     |                              |                     |                         |                                            |                                          |        |                           |
| SBRE RECIFE                                    | ACC-SR-U<br>GP                                   | 16 (16)<br>1                          | 5 (06/08)                    | SAT-2 (4)           | X (06/08)               |                                            |                                          |        |                           |
| SBRF RECIFE/Guararapes<br>Intl.                | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>CLRD           | 4 (4)<br>1 (1)<br>1 (1)<br>1<br>1     |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad                    | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                     | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|--------------------------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                            | 2                                                | 3                                         | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| SBGL RIO DE JANEIRO/<br>Galeão Antonio Carlos<br>Jobim Intl. | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS           | 6 (6)<br>2 (2)<br>1 (1)<br>1 (1)<br>1 (1) | 1 (06/01)                    |                     |                         |                                            |                                          |        |                           |
| SBSV SALVADOR/Deputado<br>Luis Eduardo Magalhães<br>Intl.    | APP-SR-I<br>TWR<br>SMC<br>GP<br>ATIS             | 4 (4)<br>1 (1)<br>1 (1)<br>1<br>1         |                              |                     |                         |                                            |                                          |        |                           |
| SBSN SANTAREM/<br>Santarem Intl.                             | APP-I<br>TWR                                     | 2 (2)<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| SBSL SÃO LUIS/Marechal<br>Cunha Machado Intl.                | APP-I<br>TWR                                     | 1 (1)<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| SBGR SÃO PAULO/<br>Guarulhos Intl.                           | TWR<br>SMC<br>CLRD<br>ATIS                       | 3 (3)<br>1 (1)<br>1 (1)<br>1 (1)          | 1 (06/01)                    |                     |                         |                                            |                                          |        |                           |
| SBTT TABATINGA/<br>Tabatinga Intl.                           | AFIS                                             | 1 (1)                                     |                              |                     |                         |                                            |                                          |        |                           |
| SBUG URUGUAIANA/<br>Rubem Berta Intl.                        | AFIS                                             | 1 (1)                                     |                              |                     |                         |                                            |                                          |        |                           |
| <b>CAPE VERDE</b>                                            |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| GVSC SAL I.                                                  | ACC-U<br>ACC-L                                   | 2-ER<br>1                                 |                              | SAT-1<br>SAT-2      |                         |                                            |                                          |        |                           |
| <b>CAYMAN ISLANDS<br/>(United Kingdom)</b>                   |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| MWCB CAYMAN BRAC/<br>Gerrard Smith Intl.                     | TWR<br>SMC                                       | 1 (1)<br>1                                |                              |                     |                         |                                            |                                          |        |                           |
| MWCR GEORGETOWN/<br>Owen Roberts Intl.                       | APP-I<br>TWR<br>SMC<br>ATIS                      | 1<br>-1<br>1<br>1 (1)                     |                              |                     |                         |                                            |                                          |        |                           |
| <b>CHILE</b>                                                 |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| SCFA ANTOFAGASTA/<br>Cerro Moreno                            | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>GP             | 2 (2)<br>1 (1)<br>1 (1)<br>1<br>1 (1)-ER  | 2 (06/08)                    | SAM-1 (3)           | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| SCAR ARICA/Chacalluta                                        | APP-I<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)                   |                              |                     |                         |                                            |                                          |        |                           |
| SCIE CONCEPCION/<br>Carriel Sur                              | APP-I<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)                   |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad       | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                  | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-------------------------------------------------|--------------------------------------------------|----------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                               | 2                                                | 3                                      | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| SCDA IQUIQUE/Gral. Diego<br>Aracena             | APP-SR-I<br>TWR<br>SMC                           | 1 (1)<br>1 (1)<br>1 (1)                |                              |                     |                         |                                            |                                          |        |                           |
| SCTZ PUERTO MONTT                               | ACC-U<br>ACC-U<br>GP<br>APP-SR-I                 | 2 (1)<br>1 (1)-ER<br>1 (1)-ER<br>2 (1) | 2 (06/08)                    | SAM-1 (3)           | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| SCTE PUERTO MONTT/<br>El Tepual                 | TWR<br>SMC<br>ATIS                               | 1 (1)<br>1 (1)<br>1                    |                              |                     |                         |                                            |                                          |        |                           |
| SCCZ PUNTA ARENAS                               | ACC-U<br>GP-ER<br>APP-SR-I                       | 3 (2)<br>1 (1)<br>2 (1)                | 2 (06/08)                    | SAM-1 (3)           | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| SCCI PUNTA ARENAS/<br>Pdte. C. Ibáñez del Campo | TWR<br>SMC<br>ATIS                               | 1 (1)<br>1 (1)<br>1                    |                              |                     |                         |                                            |                                          |        |                           |
| SCEZ SANTIAGO                                   | ACC-U<br>GP<br>APP-SR-I                          | 4 (4)-ER<br>2 (2)-ER<br>4 (2)          | 2 (06/06)                    | SAM-1 (3)           | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| SCEL SANTIAGO/<br>Arturo Merino Benitez         | CLRD<br>TWR<br>SMC<br>ATIS                       | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)       | 1 (06/01)                    |                     |                         |                                            |                                          |        |                           |
| SCTC TEMUCO/Manquehue                           | APP-L<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)                |                              |                     |                         |                                            |                                          |        |                           |
| <b>COLOMBIA</b>                                 |                                                  |                                        |                              |                     |                         |                                            |                                          |        |                           |
| SKEC BARRANQUILLA                               | ACC-U<br>GP                                      | 2 (2)<br>1 (1)                         | 2 (06/06)                    | CAR-A (2)           | X (06/06)               |                                            |                                          |        |                           |
| SKBQ BARRANQUILLA/<br>Ernesto Cortissoz         | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>CLRD           | 2 (2)<br>1 (1)<br>1 (1)<br>1<br>1      | 1 (06/01)                    |                     |                         |                                            |                                          |        |                           |
| SKED BOGOTA                                     | ACC-U<br>GP                                      | 5 (5)<br>1 (1)-ER                      | 4 (06/06)                    | SAM-2 (2)           | X (06/06)               | X (06/06)                                  |                                          |        |                           |
| SKCL CALI                                       | ACC-SR-I<br>GP                                   | 1 (1)<br>1 (1)                         |                              | SAM-1               | X (06/06)               |                                            |                                          |        |                           |
| SKCL CALI/Alfonso Bonilla<br>Aragón             | APP-SR-I<br>TWR<br>SMC<br>ATIS                   | 1 (1)<br>1 (1)<br>1 (1)<br>1           |                              |                     |                         |                                            |                                          |        |                           |
| SKCG CARTAGENA/<br>Rafael Núñez                 | TWR                                              | 1 (1)                                  |                              |                     |                         |                                            |                                          |        |                           |
| SKCC CUCUTA/Camilo Daza                         | APP-I<br>TWR                                     | 1 (1)<br>1 (1)                         |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                     | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                         | 2                                                | 3                                         | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| SLLT LETICIA/Alfredo<br>Vásquez Cobo      | APP-SR-I<br>TWR                                  | 1 (1)<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| SKRG RIO NEGRO/<br>José María Córdova     | APP-SR-I<br>TWR<br>SMC<br>ATIS                   | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)          |                              |                     |                         |                                            |                                          |        |                           |
| SKSP SAN ANDRES I./<br>Sesquicentenario   | APP-SR-I<br>APP-I<br>TWR<br>SMC                  | 1 (1)<br>1 (1)<br>1 (1)<br>1              |                              |                     |                         |                                            |                                          |        |                           |
| SKBO SANTA FE DE<br>BOGOTA/Eldorado       | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>CLRD           | 3 (3)<br>2 (2)<br>2 (2)<br>1 (1)<br>1 (1) | 1 (06/01)                    |                     |                         |                                            |                                          |        |                           |
| <b>COSTA RICA</b>                         |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| MROC ALAJUELA/<br>Juan Santamaria Intl.   | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>GP             | 2 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                     |                         |                                            |                                          |        |                           |
| MRLB LIBERIA/Tomás<br>Guardia Intl.       | APP-I<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)                   |                              |                     |                         |                                            |                                          |        |                           |
| MRLM LIMON/Limón Intl.                    | AFIS                                             | 1 (1)                                     |                              |                     |                         |                                            |                                          |        |                           |
| MRPV PAVAS/Tobías<br>Bolaños Intl.        | TWR<br>SMC                                       | 1 (1)<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| <b>CUBA</b>                               |                                                  |                                           |                              |                     |                         |                                            |                                          |        |                           |
| MUCM CAMAGUEY/<br>Ignacio Agramonte       | APP-SR-L<br>TWR                                  | 1<br>1 (1)                                |                              |                     |                         |                                            |                                          |        |                           |
| MUCL CAYO LARGO<br>DEL SUR/Vilo Acuña     | APP-L<br>TWR                                     | 1 (1)<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| MUCA CIEGO DE AVILA/<br>Máximo Gómez      | APP-L<br>TWR                                     | 1<br>1 (1)                                |                              |                     |                         |                                            |                                          |        |                           |
| MUHA HABANA                               | ACC-SR-U<br>ACC-SR-I<br>GP-U                     | 5 (4)-ER<br>3 (1)-ER<br>2 (1)             | 2 (06/06)                    | CAR-A (6)           | X (06/06)               |                                            |                                          |        |                           |
| MUHA HABANA/José Martí                    | APP-SR-L<br>APP-SR-I<br>TWR<br>SMC<br>ATIS       | 1<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1)     |                              |                     |                         |                                            |                                          |        |                           |
| MUHG HOLGUIN/Frank País                   | APP-SR-L<br>TWR                                  | 1<br>1(1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| MUCU SANTIAGO DE CUBA/<br>Antonio Maceo   | APP-SR-I<br>TWR<br>SMC                           | 1 (1)<br>1 (1)<br>1                       |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad    | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                 | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|----------------------------------------------|--------------------------------------------------|---------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                            | 2                                                | 3                                     | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| MUVR VARADERO/Juan<br>Gualberto Gomez        | APP-SR-L<br>TWR<br>SMC                           | 1<br>1 (1)<br>1                       |                              |                     |                         |                                            |                                          |        |                           |
| <b>DOMINICA</b>                              |                                                  |                                       |                              |                     |                         |                                            |                                          |        |                           |
| TDPB MELVILLE HALL/<br>Dominica              | TWR                                              | 1 (1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| TDPR ROSEAU/Canefield                        | TWR                                              | 1 (1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| <b>DOMINICAN REPUBLIC</b>                    |                                                  |                                       |                              |                     |                         |                                            |                                          |        |                           |
| MDBH BARAHONA/<br>Maria Montes Intl.         | TWR                                              | 1 (1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| MDHE HERRERA/<br>Herrera Intl.               | TWR                                              | 1 (1)                                 |                              |                     |                         |                                            |                                          |        |                           |
| MDLR LA ROMANA/<br>La Romana Intl.           | APP-L<br>TWR                                     | 1 (1)<br>1 (1)                        |                              |                     |                         |                                            |                                          |        |                           |
| MDPP PUERTO PLATA/<br>Gregorio Luperon       | APP-SR-I<br>TWR<br>SMC                           | 1 (1)<br>1 (1)<br>1 (1)               |                              |                     |                         |                                            |                                          |        |                           |
| MDPC PUNTA CANA/Punta<br>Cana Intl.          | APP-L<br>TWR                                     | 1<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| MDST SANTIAGO/Cibao<br>Santiago Intl.        | APP-L<br>TWR                                     | 1<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| MDCS SANTO DOMINGO                           | ACC-U<br>ACC-SR-U<br>GP                          | 4<br>1 (1)<br>1                       | 1 (06/08)                    |                     |                         |                                            |                                          |        |                           |
| MDSD SANTO DOMINGO/<br>De las Américas Intl. | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>CLRD           | 2 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 |                              |                     |                         |                                            |                                          |        |                           |
| <b>ECUADOR</b>                               |                                                  |                                       |                              |                     |                         |                                            |                                          |        |                           |
| SEGU GUAYAQUIL                               | ACC-U<br>ACC-U<br>GP                             | 2 (2)<br>1-ER<br>1 (1)                | 1 (06/08)                    | SAM-1 (4)           | X (06/06)               | X (06/06)                                  | X (06/06)                                |        |                           |
| SEGU GUAYAQUIL/<br>Simón Bolívar             | APP-SR-I<br>APP-I<br>TWR<br>SMC<br>ATIS          | 1 (1)<br>2 (1)<br>1 (1)<br>1 (1)<br>1 |                              |                     |                         |                                            |                                          |        |                           |
| SELT LATACUNGA/Cotopaxi                      | APP-I<br>TWR                                     | 1 (1)<br>1 (1)                        |                              |                     |                         |                                            |                                          |        |                           |
| SEMT MANTA/Eloy Alfaro                       | APP-I<br>TWR                                     | 1 (1)<br>1 (1)                        |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad      | Service or<br>Function/<br>Servicio o<br>Función       | VHF Voice/<br>Voz VHF                               | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF             | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------|------------------------------|---------------------|-------------------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                              | 2                                                      | 3                                                   | 4                            | 5                   | 6                                   | 7                                          | 8                                        | 9      | 10                        |
| SEQU QUITO/Mcal. Sucre                         | APP-SR-I<br>TWR<br>SMC<br>ATIS                         | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)                    |                              |                     |                                     |                                            |                                          |        |                           |
| <b>EL SALVADOR</b>                             |                                                        |                                                     |                              |                     |                                     |                                            |                                          |        |                           |
| MSLP SAN SALVADOR/<br>El Salvador Intl.        | APP-I<br>APP-I<br>APP-SR-I<br>TWR<br>SMC<br>GP<br>ATIS | 1<br>1<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                     |                                     |                                            |                                          |        |                           |
| MSSS SAN SALVADOR/<br>Ilopango Intl.           | APP-I<br>TWR<br>TWR<br>SMC                             | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)                    |                              |                     |                                     |                                            |                                          |        |                           |
| <b>FRENCH ANTILLES (France)</b>                |                                                        |                                                     |                              |                     |                                     |                                            |                                          |        |                           |
| TFFF FORT-DE-FRANCE<br>Le Lamentin, Martinique | APP-U<br>APP-I<br>TWR<br>APP-SR-I<br>ATIS<br>SMC       | 1<br>1<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1)          |                              |                     |                                     |                                            |                                          |        |                           |
| TFFR POINTE-A-PITRE/<br>Le Raizet, Guadeloupe  | APP-U<br>APP-I<br>TWR<br>APP-SR-I<br>ATIS<br>SMC       | 1<br>2<br>1 (1)<br>1 (1)<br>1 (1)<br>1              |                              |                     |                                     |                                            |                                          |        |                           |
| TFFJ SAINT-BARTHELEMY/<br>Saint-Barthelemy     | AFIS                                                   | 1                                                   |                              |                     |                                     |                                            |                                          |        |                           |
| TFFG SAINT MARTIN/<br>Grand Case, Guadeloupe   | AFIS                                                   | 1                                                   |                              |                     |                                     |                                            |                                          |        |                           |
| <b>FRENCH GUIANA (France)</b>                  |                                                        |                                                     |                              |                     |                                     |                                            |                                          |        |                           |
| SOOO CAYENNE                                   | ACC-U<br>GP                                            | 2 (1)<br>1                                          |                              |                     | CAR-A (1)<br>SAM-2 (1)<br>SAT-2 (1) |                                            |                                          |        |                           |
| SOCA CAYENNE/<br>Rochambeau                    | APP-SR-I<br>TWR<br>SMC<br>ATIS                         | 1 (1)<br>1 (1)<br>1<br>1                            |                              |                     |                                     |                                            |                                          |        |                           |
| <b>GRENADA</b>                                 |                                                        |                                                     |                              |                     |                                     |                                            |                                          |        |                           |
| TGPZ LAURISTON/<br>Carriacou                   | TWR                                                    | 1                                                   |                              |                     |                                     |                                            |                                          |        |                           |
| TGPY SAINT GEORGES/<br>Point Salines           | APP-L<br>TWR<br>SMC                                    | 1 (1)<br>1 (1)<br>1 (1)                             |                              |                     |                                     |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad   | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                     | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF    | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|---------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------|------------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                           | 2                                                | 3                                         | 4                            | 5                      | 6                       | 7                                          | 8                                        | 9      | 10                        |
| <b>GUATEMALA</b>                            |                                                  |                                           |                              |                        |                         |                                            |                                          |        |                           |
| MGFL FLORES/Flores                          | APP-L<br>TWR                                     | 1<br>1                                    |                              |                        |                         |                                            |                                          |        |                           |
| MGGT GUATEMALA/<br>La Aurora                | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>GP             | 1<br>1<br>1<br>1<br>1                     |                              |                        |                         |                                            |                                          |        |                           |
| MGPB PUERTO BARRIOS/<br>Puerto Barrios      | TWR                                              | 1 (1)                                     |                              |                        |                         |                                            |                                          |        |                           |
| MGSJ SAN JOSE/San José                      | TWR                                              | 1 (1)                                     |                              |                        |                         |                                            |                                          |        |                           |
| <b>GUYANA</b>                               |                                                  |                                           |                              |                        |                         |                                            |                                          |        |                           |
| SYGC GEORGETOWN                             | ACC-U<br><br>ACC-U<br>GPS<br>ACC-L               | 1<br><br>1-ER<br>1 (1)<br>1               | 1 (06/08)                    | CAR-A<br>SAM-2         | X (06/08)               |                                            |                                          |        |                           |
| SYCJ TIMEHRI/<br>Cheddi Jagan Intl.         | APP-L<br>TWR<br>SMC                              | 1<br>1 (1)<br>1 (1)                       |                              |                        |                         |                                            |                                          |        |                           |
| <b>HAITI</b>                                |                                                  |                                           |                              |                        |                         |                                            |                                          |        |                           |
| MTCH CAP HAITIEN/Intl.                      | APP-L<br>TWR                                     | 1<br>1 (1)                                |                              |                        |                         |                                            |                                          |        |                           |
| MTEG PORT-AU-PRINCE                         | ACC-SR-U<br>GP                                   | 1 (1)<br>1                                | 1 (06/08)                    |                        |                         |                                            |                                          |        |                           |
| MTPP PORT-AU-PRINCE/Intl.                   | APP-SR-I<br>APP-I<br>TWR<br>SMC                  | 1<br>1 (1)<br>1 (1)<br>1                  |                              |                        |                         |                                            |                                          |        |                           |
| <b>HONDURAS</b>                             |                                                  |                                           |                              |                        |                         |                                            |                                          |        |                           |
| MHLC LA CEIBA/<br>Golosón Intl.             | APP-L<br>TWR<br>SMC                              | 1<br>1 (1)<br>1                           |                              |                        |                         |                                            |                                          |        |                           |
| MHRO COXEN HOLE/Juan<br>Manuel Gálvez Intl. | TWR<br>SMC                                       | 1 (1)<br>1 (1)                            |                              |                        |                         |                                            |                                          |        |                           |
| MHLM SAN PEDRO SULA/<br>La Mesa Intl.       | APP-I<br>TWR<br>SMC<br>GP<br>ATIS                | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                        |                         |                                            |                                          |        |                           |
| MHTG TEGUCIGALPA<br>(CENAMER)               | ACC-SR-U<br><br>GP                               | 7 (4)<br><br>1                            | 3 (06/08)                    | CAR-A (6)<br>SAM-1 (2) | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| MHTG TEGUCIGALPA/<br>Toncontin              | APP-I<br>TWR                                     | 1 (1)<br>1 (1)                            |                              |                        |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad                  | Service or<br>Function/<br>Servicio o<br>Función   | VHF Voice/<br>Voz VHF                       | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|------------------------------------------------------------|----------------------------------------------------|---------------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                          | 2                                                  | 3                                           | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| <b>JAMAICA</b>                                             | SMC<br>GP<br>ATIS                                  | 1 (1)<br>1 (1)<br>1 (1)                     |                              |                     |                         |                                            |                                          |        |                           |
| MKJK KINGSTON                                              | ACC-SR-U<br>ACC-U<br>GP                            | 1<br>5 (2)<br>1                             | 2 (06/06)                    |                     | X (06/06)               | X (06/06)                                  | X (06/06)                                |        |                           |
| MKJP KINGSTON/Norman<br>Manley Intl.                       | APP-SR-1<br>APP-I<br>TWR<br>SMC                    | 1<br>1 (1)<br>1<br>1 (1)                    |                              |                     |                         |                                            |                                          |        |                           |
| MKJS MONTEGO BAY/<br>Sangster Intl.                        | APP-SR-I<br>APP-I<br>TWR<br>SMC                    | 1<br>1<br>1 (1)<br>1 (1)                    |                              |                     |                         |                                            |                                          |        |                           |
| <b>MEXICO</b>                                              |                                                    |                                             |                              |                     |                         |                                            |                                          |        |                           |
| MMAA ACAPULCO/Gral.<br>Juan Alvarez Intl.                  | APP-SR-I<br>APP-SR-L<br>ATIS<br>SMC<br>TWR<br>GP   | 1 (1)<br>1 (1)<br>1<br>1<br>1 (1)<br>1      |                              |                     |                         |                                            |                                          |        |                           |
| MMBT BAHIAS DE<br>HUATULCO/<br>Bahías de Huatulco          | TWR                                                | 1 (1)                                       |                              |                     |                         |                                            |                                          |        |                           |
| MMCP CAMPECHE/Ignacio<br>Alberto Acuña Ongay Intl.         | TWR                                                | 1 (1)                                       |                              |                     |                         |                                            |                                          |        |                           |
| MMUN CANCUN/Cancún Intl.                                   | APP-L<br>APP-I<br>SMC<br>TWR<br>ATIS<br>CLRD<br>GP | 1 (1)<br>1 (1)<br>1<br>1 (1)<br>1<br>1<br>1 |                              |                     |                         |                                            |                                          |        |                           |
| MMCM CHETUMAL/<br>Chetumal Intl.                           | TWR                                                | 1 (1)                                       |                              |                     |                         |                                            |                                          |        |                           |
| MMCU CHIHUAHUA/Gral.<br>Roberto Fierro Villalobos<br>Intl. | APP-I<br>TWR<br>ATIS<br>GP                         | 1 (1)<br>1 (1)<br>1<br>1                    |                              |                     |                         |                                            |                                          |        |                           |
| MMMC CIUDAD ACUÑA/Intl.                                    | AFIS                                               | 1 (1)                                       |                              |                     |                         |                                            |                                          |        |                           |
| MMCS CIUDAD JUAREZ/<br>Abraham González Intl.              | APP-I<br>TWR                                       | 1<br>1 (1)                                  |                              |                     |                         |                                            |                                          |        |                           |
| MMCZ COZUMELCozumel/ Intl.                                 | TWR                                                | 1 (1)                                       |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad                   | Service or<br>Function/<br>Servicio o<br>Función          | VHF Voice/<br>Voz VHF                               | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                           | 2                                                         | 3                                                   | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| MMCL CULIACAN/Fidel<br>Bachigualato                         | APP-I<br>TWR<br>GP                                        | 1 (1)<br>1 (1)<br>1                                 |                              |                     |                         |                                            |                                          |        |                           |
| MMDO DURANGO/Pte.<br>Guadalupe Victoria, Intl.              | TWR                                                       | 1 (1)                                               |                              |                     |                         |                                            |                                          |        |                           |
| MMGL GUADALAJARA/<br>Don Miguel Hidalgo y<br>Costilla Intl. | APP-SR-I<br>APP-SR-L<br>ATIS<br>SMC<br>TWR<br>CLRD<br>GP  | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1<br>1 |                              |                     |                         |                                            |                                          |        |                           |
| MMGM GUAYMAS/Gral. José<br>María Yáñez Intl.                | TWR                                                       | 1 (1)                                               |                              |                     |                         |                                            |                                          |        |                           |
| MMHO HERMOSILLO/Gral.<br>Ignacio Pesqueira Garcia<br>Intl.  | APP-I<br>ATIS<br>TWR<br>SMC                               | 1 (1)<br>1 (1)<br>1 (1)<br>1                        |                              |                     |                         |                                            |                                          |        |                           |
| MMZH IXTAPA-<br>ZIHUATANEJO/<br>Ixtapa-Zihuatanejo Intl.    | APP-I<br>TWR                                              | 1 (1)<br>1 (1)                                      |                              |                     |                         |                                            |                                          |        |                           |
| MMLP LA PAZ/Gral. Manuel<br>Márquez de León Intl.           | APP-I<br>TWR                                              | 1 (1)<br>1 (1)                                      |                              |                     |                         |                                            |                                          |        |                           |
| MMLO LEON/Guanajuato                                        | APP-L<br>TWR                                              | 1<br>1 (1)                                          |                              |                     |                         |                                            |                                          |        |                           |
| MMLT LORETO/Loreto Intl.                                    | TWR                                                       | 1 (1)                                               |                              |                     |                         |                                            |                                          |        |                           |
| MMZO MANZANILLO/Playa<br>de Oro Intl.                       | APP-L<br>TWR                                              | 1<br>1 (1)                                          |                              |                     |                         |                                            |                                          |        |                           |
| MMMA MATAMOROS/Gral.<br>Servando Canales                    | APP-L<br>TWR                                              | 1<br>1 (1)                                          |                              |                     |                         |                                            |                                          |        |                           |
| MMMZ MAZATLAN/Gral.<br>Rafael Buelna Intl.                  | ACC-SR-L<br>ACC-SR-U<br>APP-I<br>SMC<br>TWR<br>ATIS<br>GP | 4<br>4 (5)<br>1 (1)<br>1<br>1 (1)<br>1 (1)<br>1     | 5 (06/08)                    |                     | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| MMMO MERIDA/Lic. Manuel<br>Crescencio Rejón Intl.           | ACC-SR-L<br>ACC-SR-U<br>APP-I<br>ATIS<br>GP<br>TWR        | 3<br>4 (4)<br>1 (1)<br>1<br>1 (1)<br>1 (1)          | 3 (06/08)                    | CAR-A (5)           | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| MMML MEXICALI/Gral.<br>Rodolfo<br>Sánchez Taboada Intl.     | APP-I<br>TWR                                              | 1<br>1 (1)                                          |                              |                     |                         |                                            |                                          |        |                           |
| MMMX MEXICO/Lic. Benito<br>Juárez Intl.                     | ACC-SR-L<br>ACC-SR-U<br>APP-SR-I                          | 5<br>5 (7)<br>1 (1)                                 | 3 (06/08)                    |                     | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |

| Country and Location/<br>País y Localidad                 | Service or<br>Function/<br>Servicio o<br>Función                         | VHF Voice/<br>Voz VHF                                        | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-----------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                         | 2                                                                        | 3                                                            | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
|                                                           | APP-SR-L<br>ATIS<br>GP<br>SMC<br>TWR<br>CLRD                             | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1)           |                              |                     |                         |                                            |                                          |        |                           |
| MMAN MONTERREY/<br>Aeropuerto Del Norte Intl.             | TWR                                                                      | 1 (1)                                                        |                              |                     |                         |                                            |                                          |        |                           |
| MMMY MONTERREY/Gral.<br>Mariano Escobedo Intl.            | ACC-SR-L<br>ACC-SR-U<br>APP-SR-I<br>APP-SR-L<br>ATIS<br>GP<br>SMC<br>TWR | 2<br>2 (3)<br>1 (1)<br>1 (1)<br>1 (1)<br>1<br>1 (1)<br>1 (1) | 3 (06/08)                    |                     | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| MMMM MORELIA/<br>Gral. Francisco Mujica Intl.             | APP-L<br>TWR                                                             | 1<br>1 (1)                                                   |                              |                     |                         |                                            |                                          |        |                           |
| MMNG NOGALES/Nogales<br>Intl.                             | AFIS                                                                     | 1                                                            |                              |                     |                         |                                            |                                          |        |                           |
| MMNL NUEVO LAREDO/<br>Quetzalcoatl Intl.                  | APP-L<br>TWR                                                             | 1<br>1 (1)                                                   |                              |                     |                         |                                            |                                          |        |                           |
| MMPG PIEDRAS<br>NEGRAS/Intl.                              | ATIS                                                                     | 1 (1)                                                        |                              |                     |                         |                                            |                                          |        |                           |
| MMPR PUERTO VALLARTA/<br>Lic. Gustavo Díaz Ordaz<br>Intl. | APP-SR-I<br>APP-SR-L<br>ATIS<br>SMC<br>TWR                               | 1 (1)<br>1 (1)<br>1<br>1<br>1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| MMRX REYNOSA/Gral. Lucio<br>Blanco Intl.                  | APP-L<br>TWR                                                             | 1<br>1 (1)                                                   |                              |                     |                         |                                            |                                          |        |                           |
| MMSF SAN FELIPE/<br>San Felipe Intl.                      | AFIS                                                                     | 1 (1)                                                        |                              |                     |                         |                                            |                                          |        |                           |
| MMSD SAN JOSE DEL<br>CABO/San José del<br>Cabo Intl.      | APP-I<br>TWR<br>GP                                                       | 1<br>1 (1)<br>1                                              |                              |                     |                         |                                            |                                          |        |                           |
| MMTM TAMPICO/Gral.<br>Francisco Javier Mina Intl.         | APP-I<br>TWR<br>GP                                                       | 1 (1)<br>1 (1)<br>1                                          |                              |                     |                         |                                            |                                          |        |                           |
| MMTP TAPACHULA/<br>Tapachula Intl.                        | TWR                                                                      | 1 (1)                                                        |                              |                     |                         |                                            |                                          |        |                           |
| MMTJ TIJUANA/<br>Gral. Abelardo<br>L. Rodríguez Intl.     | APP-SR-I<br>APP-SR-L<br>ATIS<br>GP<br>TWR<br>SMC                         | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1)<br>1               |                              |                     |                         |                                            |                                          |        |                           |
| MMTO/TOLUCA/Lic. Adolfo<br>Lopez Mateos                   | TWR<br>GP                                                                | 1 (1)<br>1                                                   |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad               | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF            | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|---------------------------------------------------------|--------------------------------------------------|----------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                       | 2                                                | 3                                | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| MMTC TORREON/Torreón<br>Intl.                           | APP-L<br>TWR                                     | 1 (1)<br>1 (1)                   |                              |                     |                         |                                            |                                          |        |                           |
| MMVR VERACRUZ/Gral.<br>Heriberto Jara Intl.             | APP-L<br>TWR                                     | 1 (1)<br>1 (1)                   |                              |                     |                         |                                            |                                          |        |                           |
| MMVA VILLAHERMOSA/<br>C.P.A. Carlos Rovirosa            | APP-L<br>TWR                                     | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                           |
| MMZC ZACATECAS/Gral.<br>Leobardo Ruíz Intl.             | APP-I<br>TWR                                     | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                           |
| <b>MONTSERRAT (United Kingdom)</b>                      |                                                  |                                  |                              |                     |                         |                                            |                                          |        |                           |
| TRPM PLYMOUTH/<br>Blackburne, Montserrat I.             | APP-L<br>TWR                                     | 1<br>1                           |                              |                     |                         |                                            |                                          |        |                           |
| <b>NETHERLANDS ANTILLES (Netherlands)</b>               |                                                  |                                  |                              |                     |                         |                                            |                                          |        |                           |
| TNCF CURACAO                                            | ACC-U<br>GP                                      | 3 (2)-ER<br>1 (1)                | 2 (06/08)                    |                     | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| TNCB KRALENDIJK/<br>Flamingo, Bonaire I.                | APP-I<br>TWR                                     | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                           |
| TNCE ORANJESTAD/<br>F.D. Rossevelt, St.<br>Eustacius I. | TWR                                              | 1                                |                              |                     |                         |                                            |                                          |        |                           |
| TNCM PHILIPSBURG/Prinses<br>Juliana, St. Maarten I.     | APP-I<br>TWR<br>SMC                              | 1<br>1<br>1                      |                              |                     |                         |                                            |                                          |        |                           |
| TNCC WILLEMSTAD/Hato,<br>Curacao I.                     | APP-I<br>TWR<br>SMC<br>APP-SR-I                  | 1<br>1 (1)<br>1<br>1 (1)         |                              |                     |                         |                                            |                                          |        |                           |
| <b>NICARAGUA</b>                                        |                                                  |                                  |                              |                     |                         |                                            |                                          |        |                           |
| MNMG MANAGUA/Augusto<br>César Sandino Intl.             | APP-I<br>TWR<br>SMC<br>GP                        | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                     |                         |                                            |                                          |        |                           |
| MNPC PUERTO CABEZAS/<br>Puerto Cabezas                  | TWR                                              | 1                                |                              |                     |                         |                                            |                                          |        |                           |
| <b>PANAMA</b>                                           |                                                  |                                  |                              |                     |                         |                                            |                                          |        |                           |
| MPBO BOCAS DEL TORO/<br>Bocas del Toro                  | AFIS                                             | 1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| MMPCH CHANGUINOLA/<br>Cap. Manuel Niño                  | TWR                                              | 1 (1)                            |                              |                     |                         |                                            |                                          |        |                           |
| MPDA DAVID/Enrique Malek                                | TWR<br>SMC                                       | 1 (1)<br>1 (1)                   |                              |                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad           | Service or<br>Function/<br>Servicio o<br>Función   | VHF Voice/<br>Voz VHF                      | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF    | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-----------------------------------------------------|----------------------------------------------------|--------------------------------------------|------------------------------|------------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                   | 2                                                  | 3                                          | 4                            | 5                      | 6                       | 7                                          | 8                                        | 9      | 10                        |
| MPMG PANAMA/Marcos A.<br>Gelabert                   | TWR<br>SMC<br>CLRD                                 | 1 (1)<br>1 (1)<br>1 (1)                    |                              |                        |                         |                                            |                                          |        |                           |
| MPZL PANAMA                                         | ACC-U<br>ACC-SR-U<br>APP-SR-I<br>GP                | 2 (1)<br>1 (1)<br>3 (3)<br>1 (1)           | 1 (06/08)                    | CAR-A (3)<br>SAM-1 (2) | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| MPTO PANAMA/Tocumen                                 | TWR<br>SMC<br>ATIS-D<br>CLRD                       | 1 (1)<br>1 (1)<br>1<br>1                   |                              |                        |                         |                                            |                                          |        |                           |
| <b>PARAGUAY</b>                                     |                                                    |                                            |                              |                        |                         |                                            |                                          |        |                           |
| SGFA ASUNCION                                       | ACC-U<br>ACC-U<br>GP                               | 1 (1)<br>1 (1)-ER<br>1 (1)                 | 1 (06/08)                    | SAM-1 (3)<br>SAM-2 (3) | X (06/08)               |                                            |                                          |        |                           |
| SGAS ASUNCION/<br>Silvio Pettirossi                 | APP-SR-I<br>APP-I<br>TWR<br>SMC                    | 1 (1)<br>2 (1)<br>1 (1)<br>1 (1)           |                              |                        |                         |                                            |                                          |        |                           |
| SGES CIUDAD DEL ESTE/<br>Guarani                    | APP-SR-I<br>TWR                                    | 1 (1)<br>1 (1)                             |                              |                        |                         |                                            |                                          |        |                           |
| <b>PERU</b>                                         |                                                    |                                            |                              |                        |                         |                                            |                                          |        |                           |
| SPQU AREQUIPA/<br>Rodríguez Ballón Intl.            | APP-SR-U<br>TWR                                    | 1 (1)<br>1 (1)                             |                              |                        |                         |                                            |                                          |        |                           |
| SPHI CHICLAYO/<br>Cap. José Quiñones<br>Gonzáles    | APP-SR-I<br>TWR                                    | 1 (1)<br>1 (1)                             |                              |                        |                         |                                            |                                          |        |                           |
| SPZO CUZCO/Velazco Astete                           | APP-SR-U<br>TWR<br>ATIS                            | 1<br>1 (1)<br>1                            |                              |                        |                         |                                            |                                          |        |                           |
| SPQT IQUITOS/Cnel. FAP<br>Francisco Secada Vignetta | APP-SR-I<br>TWR                                    | 1 (1)<br>1 (1)                             |                              |                        |                         |                                            |                                          |        |                           |
| SPIM LIMA                                           | ACC-SR-U<br>GP                                     | 3 (3)-ER<br>1 (1)                          | 2 (06/06)                    | SAM-1 (2)              | X (06/06)               | X (06/06)                                  | X (06/06)                                |        |                           |
| SPIM LIMA-CALLAO/Jorge<br>Chávez Intl.              | APP-SR-I<br>APP-SR-U<br>TWR<br>SMC<br>CLRD<br>ATIS | 1 (1)<br>2<br>1 (1)<br>1 (1)<br>1 (1)<br>1 | 1 (06/01)                    |                        |                         |                                            |                                          |        |                           |
| SPSO PISCO/Pisco                                    | APP-I<br>TWR<br>SMC                                | 1<br>1 (1)<br>1 (1)                        |                              |                        |                         |                                            |                                          |        |                           |
| SPTN TACNA/Cnel. FAP<br>Carlos Ciriani Santa Rosa   | APP-I<br>TWR                                       | 1<br>1 (1)                                 |                              |                        |                         |                                            |                                          |        |                           |
| SPRU TRUJILLO/Cap. Carlos<br>Martínez de Pinillos   | APP-I<br>TWR                                       | 1 (1)<br>1 (1)                             |                              |                        |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad            | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF            | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF                 | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|------------------------------------------------------|--------------------------------------------------|----------------------------------|------------------------------|-------------------------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                    | 2                                                | 3                                | 4                            | 5                                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| <b>PUERTO RICO<br/>(United States)</b>               |                                                  |                                  |                              |                                     |                         |                                            |                                          |        |                           |
| TJBQ AGUADILLA/Rafael<br>Hernández Intl.             | TWR                                              | 1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| TJFA FAJARDO/Diego<br>Jiménez Torres                 | TWR                                              | 1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| TJMZ MAYAGUEZ/Mayaguez                               | SMC<br>TWR                                       | 1<br>1                           |                              |                                     |                         |                                            |                                          |        |                           |
| TJPS PONCE/Mercedita                                 | TWR<br>SMC<br>APP-L                              | 1<br>1                           |                              |                                     |                         |                                            |                                          |        |                           |
| TJZS SAN JUAN                                        | ACC-U<br>GP-U                                    | 11                               | 4 (06/08)                    | CAR-A (6)<br>CAR-B (1)<br>NAT-A (5) | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| TJSJ SAN JUAN, PUERTO<br>RICO/Luis Muñoz Marín Intl. | ATIS<br>TWR<br>SMC<br>APP-SR-I                   | 1 (1)<br>2 (1)<br>1 (1)<br>2 (2) |                              |                                     |                         |                                            |                                          |        |                           |
| TJVQ VIEQUES/Antonio<br>Rivera                       | TWR                                              | 1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| <b>SAINT KITTS AND NEVIS</b>                         |                                                  |                                  |                              |                                     |                         |                                            |                                          |        |                           |
| TKPK BASSETERRE/Golden<br>Rock, Saint Kitts I.       | APP-L<br>TWR                                     | 1 (1)<br>1 (1)                   |                              |                                     |                         |                                            |                                          |        |                           |
| TKPN CHARLESTOWN/<br>Newcastle, Nevis I.             | TWR                                              | 1                                |                              |                                     |                         |                                            |                                          |        |                           |
| <b>SAINT LUCIA</b>                                   |                                                  |                                  |                              |                                     |                         |                                            |                                          |        |                           |
| TLPC CASTRIES/Vigie                                  | TWR<br>SMC                                       | 1 (1)<br>1 (1)                   |                              |                                     |                         |                                            |                                          |        |                           |
| TLPL VIEUX-FORT/<br>Hewanorra Intl.                  | APP-L<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)          |                              |                                     |                         |                                            |                                          |        |                           |
| <b>SAINT VINCENT AND THE<br/>GRENADINES</b>          |                                                  |                                  |                              |                                     |                         |                                            |                                          |        |                           |
| TVSV BEQUIA/J. F. Mitchel                            | TWR                                              | 1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| TVSC CANOUAN/Canouan                                 | TWR                                              | 1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| TVSV KINGSTOWNE/<br>E.T. Joshua                      | APP-L<br>TWR                                     | 1 (1)<br>1 (1)                   |                              |                                     |                         |                                            |                                          |        |                           |
| TVSM MUSTIQUE/Mustique                               | TWR                                              | 1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| TVSU UNION ISLAND/<br>Union Island                   | TWR                                              | 1                                |                              |                                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad                        | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                 | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF                 | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|------------------------------|-------------------------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                                                | 2                                                | 3                                     | 4                            | 5                                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| <b>SENEGAL</b>                                                   |                                                  |                                       |                              |                                     |                         |                                            |                                          |        |                           |
| GOOO DAKAR                                                       | ACC-U                                            | 1 (1)-ER                              |                              | SAT-1<br>SAT-2                      | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| <b>SURINAME</b>                                                  |                                                  |                                       |                              |                                     |                         |                                            |                                          |        |                           |
| SMNI NEW NICKERIE/<br>Maj. Fernandes                             | TWR<br>SMC                                       | 1 (1)<br>1                            |                              |                                     |                         |                                            |                                          |        |                           |
| SMPM PARAMARIBO                                                  | ACC-U<br>GP                                      | 1 (1)-ER<br>1                         |                              |                                     |                         |                                            |                                          |        |                           |
| SMZO PARAMARIBO/<br>Zorg en Hoop                                 | TWR<br>SMC                                       | 1 (1)<br>1 (1)                        |                              |                                     |                         |                                            |                                          |        |                           |
| SMJP ZANDERY/Johan A.<br>Pengel                                  | APP-I<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)               |                              |                                     |                         |                                            |                                          |        |                           |
| <b>TRINIDAD AND TOBAGO</b>                                       |                                                  |                                       |                              |                                     |                         |                                            |                                          |        |                           |
| TTZP PIARCO                                                      | ACC-SR-U<br>ACC-U<br>GP                          | 3<br>4 (2)<br>1 (1)                   | 2 (06/08)                    | CAR-A (3)<br>CAR-B (1)<br>SAM-2 (2) | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| TTPP PORT OF SPAIN/<br>Piarco Intl., Trinidad I.                 | APP-I<br>APP-SR-I<br>TWR<br>SMC<br>ATIS          | 1<br>2 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                                     |                         |                                            |                                          |        |                           |
| TTCP SCARBOROUGH/<br>Crown Point, Tobago I.                      | APP-I<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)               |                              |                                     |                         |                                            |                                          |        |                           |
| <b>TURKS AND<br/>CAICOS ISLANDS<br/>(United Kingdom)</b>         |                                                  |                                       |                              |                                     |                         |                                            |                                          |        |                           |
| MBGT GRAND TURK/<br>Grand Turk Intl.                             | APP-L<br>TWR                                     | 1<br>1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| MBPV PROVIDENCIALES/<br>Intl.                                    | APP-L<br>TWR                                     | 1 (1)<br>1 (1)                        |                              |                                     |                         |                                            |                                          |        |                           |
| MBSC SOUTH CAICOS/Intl.                                          | APP-L<br>TWR                                     | 1<br>1 (1)                            |                              |                                     |                         |                                            |                                          |        |                           |
| <b>UNITED STATES</b>                                             |                                                  |                                       |                              |                                     |                         |                                            |                                          |        |                           |
| KZWY NEW YORK                                                    | GP-U                                             | 1-ER                                  | 1 (06/08)                    | CAR-A<br>CAR-B                      | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                           |
| <b>URUGUAY</b>                                                   |                                                  |                                       |                              |                                     |                         |                                            |                                          |        |                           |
| SUCA COLONIA/<br>Departamental de Colonia                        | TWR                                              | 1 (1)                                 |                              |                                     |                         |                                            |                                          |        |                           |
| SULS MALDONADO C/C<br>Carlos A. Curbelo Intl<br>Laguna del Sauce | TWR<br>SMC<br>ATIS                               | 1 (1)<br>1<br>1                       |                              |                                     |                         |                                            |                                          |        |                           |

| Country and Location/<br>País y Localidad                      | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF                     | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF              | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones                                                       |
|----------------------------------------------------------------|--------------------------------------------------|-------------------------------------------|------------------------------|----------------------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------------------------------------------------------------|
| 1                                                              | 2                                                | 3                                         | 4                            | 5                                | 6                       | 7                                          | 8                                        | 9      | 10                                                                              |
| SUAA MONTEVIDEO/Angel<br>S. Adami Intl.                        | TWR                                              | 1 (1)                                     |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SUEO MONTEVIDEO                                                | ACC-U                                            | 3 (2)                                     | 1 (06/05)                    | SAM-1 (3)<br>SAM-2 (5)<br>SAT-X* | X (06/08)               | X (06/08)                                  | X (06/08)                                |        | * Frequency to be<br>designated<br>French<br>test<br>Frecuencia por<br>designar |
| SUMU MONTEVIDEO/<br>Carrasco Intl. Gral. Cesareo<br>Berisso    | APP-SR-I<br>APP-I<br><br>SMC<br>TWR<br>ATIS      | 1 (1)<br>1 (1)<br><br>1 (1)<br>1 (1)<br>1 |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SURV RIVERA/Cerro<br>Chapeau Intl.                             | TWR                                              | 1 (1)                                     |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SUSO SALTO/Intl. Nueva<br>Hesperides                           | TWR                                              | 1 (1)                                     |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| <b>VENEZUELA</b>                                               |                                                  |                                           |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SVBC BARCELONA/Gral.<br>José Antonio Anzoátegui<br>Intl.       | APP-SR-I<br>TWR<br>SMC<br>ATIS                   | 2 (2)<br>1 (1)<br>1 (1)<br>1 (1)          |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SVZM MAIQUETIA                                                 | ACC-SR-U<br>GP                                   | 5 (6)<br>1 (2)                            | 3 (06/08)                    | CAR-A (4)<br>SAM-2 (3)           | X (06/08)               | X (06/08)                                  | X (06/08)                                |        |                                                                                 |
| SVMI CARACAS/Maiquetía,<br>Simón Bolívar                       | APP-SR-L<br>TWR<br>SMC<br>ATIS<br>CLRD           | 2 (2)<br>2 (2)<br>2 (2)<br>1 (1)<br>1     | 1 (06/01)                    |                                  |                         |                                            |                                          |        |                                                                                 |
| SVMC MARACAIBO/<br>La Chinita Intl.                            | APP-SR-I<br>TWR<br>SMC<br>ATIS<br>GP             | 2 (2)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SVMG MARGARITA/Intl. Del<br>Caribe, General Santiago<br>Marino | APP-SR-I<br>TWR<br>SMC<br>ATIS                   | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1)          |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SVJC PARAGUANA/Josefa<br>Camejo                                | APP<br>TWR (1)                                   |                                           |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SVSA SAN ANTONIO DEL<br>TACHIRA/San Antonio del<br>Tachira     | APP<br>TWR (1)                                   |                                           |                              |                                  |                         |                                            |                                          |        |                                                                                 |
| SVVA VALENCIA/Zim<br>Valencia                                  | APP<br>TWR                                       | 1 (1)                                     |                              |                                  |                         |                                            |                                          |        |                                                                                 |

| Country and Location/<br>País y Localidad       | Service or<br>Function/<br>Servicio o<br>Función | VHF Voice/<br>Voz VHF            | VHF<br>Data/<br>Datos<br>VHF | HF Voice/<br>Voz HF | HF<br>Data/<br>Datos HF | Satellite<br>Voice/<br>Voz por<br>Satélite | Satellite Data/<br>Datos por<br>Satélite | Mode S | Remarks/<br>Observaciones |
|-------------------------------------------------|--------------------------------------------------|----------------------------------|------------------------------|---------------------|-------------------------|--------------------------------------------|------------------------------------------|--------|---------------------------|
| 1                                               | 2                                                | 3                                | 4                            | 5                   | 6                       | 7                                          | 8                                        | 9      | 10                        |
| <b>VIRGIN ISLANDS<br/>(United Kingdom)</b>      |                                                  |                                  |                              |                     |                         |                                            |                                          |        |                           |
| TUPJ ROADTOWN/<br>Beef Island                   | APP-L<br>TWR                                     | 1<br>1 (1)                       |                              |                     |                         |                                            |                                          |        |                           |
| TUPW VIRGIN GORDA/<br>Virgin Gorda              | TWR                                              | 1                                |                              |                     |                         |                                            |                                          |        |                           |
| <b>VIRGIN ISLANDS<br/>(United States)</b>       |                                                  |                                  |                              |                     |                         |                                            |                                          |        |                           |
| TISX SAINT CROIX/Henry E.<br>Rohlsen, St. Croix | APP-I<br>TWR<br>SMC                              | 1 (1)<br>1 (1)<br>1 (1)          |                              |                     |                         |                                            |                                          |        |                           |
| TIST SAINT THOMAS/<br>Cyril E. King             | APP-I<br>TWR<br>SMC<br>ATIS                      | 1 (1)<br>1 (1)<br>1 (1)<br>1 (1) |                              |                     |                         |                                            |                                          |        |                           |

Table CNS 2A\* — Tableau CNS 2A\* — Tabla CNS 2A\*

**AERONAUTICAL MOBILE SERVICE AND AMSS (BRAZIL)**  
**FRENCH**  
**SPANISH**

| Country and Location<br>French text<br>País y Localidad | Service or<br>Function<br>French<br>test<br>Servicio o<br>Función | VHF Voice<br>French<br>text<br>Voz VHF    | VHF Data<br>French<br>text<br>Datos VHF | HF Voice<br>French<br>text<br>Voz HF | HF Data<br>French<br>text<br>Datos HF | Satellite<br>Voice<br>French<br>text<br>Voz por<br>Satélite | Satellite Data<br>French<br>text<br>Datos por<br>Satélite | Mode S | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------|---------------------------------------|
| 1                                                       | 2                                                                 | 3                                         | 4                                       | 5                                    | 6                                     | 7                                                           | 8                                                         | 9      | 10                                    |
| <b>BRAZIL</b>                                           |                                                                   |                                           |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBBL BELEM                                              | ACC-U<br>GP<br>ACC-L                                              | 4 (4)<br>1 (1)<br>4 (4)                   | R (06/08)                               | SAM-2 (4)                            | X (06/08)                             | X (06/08)                                                   | X (06/08)                                                 |        |                                       |
| SBBE BELEM/Val de Caes                                  | APP-I<br>TWR                                                      | 4 (2)<br>1 (1)                            |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBCF BELO HORIZONTE/<br>Tancredo Neves                  | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS                            | 4 (2)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) | 1 (06/01)                               |                                      |                                       |                                                             |                                                           |        |                                       |
| SBBS BRASILIA                                           | ACC-U<br>ACC-U-ER<br>ACC-L                                        | 9 (9)<br>1 (1)<br>6 (4)                   | 8 (06/05)                               | SAM-2 (4)<br>SAT-1 (1)               | X (06/08)                             | X (06/08)                                                   | X (06/08)                                                 |        |                                       |
| SBBR BRASILIA/Intl.                                     | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS                            | 4 (3)<br>1 (1)<br>1 (1)<br>1 (1)<br>1 (1) | 1 (06/01)                               |                                      |                                       |                                                             |                                                           |        |                                       |
| SBKP CAMPINAS/Viracopos                                 | APP-SR-I<br>TWR                                                   | 1 (1)<br>1 (1)                            |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBCG CAMPO GRANDE/<br>Campo Grande Intl.                | APP<br>TWR<br>ATIS                                                | 1 (1)<br>1 (1)<br>1                       |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBCY CUIABA/Marechal<br>Rondon                          | APP-SR-I<br>TWR                                                   | 1<br>1 (1)                                |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBCW CURITIBA                                           | ACC-U-ER<br>ACC-L                                                 | 5 (4)<br>5 (3)                            | 2 (06/05)                               | SAM-2 (4)                            | X (06/08)                             | X (06/08)                                                   | X (06/08)                                                 |        |                                       |
| SBCT CURITIBA/<br>Afonso Peña                           | APP-SR-1<br>TWR<br>ATIS                                           | 1 (1)<br>1 (1)<br>1                       |                                         |                                      |                                       |                                                             |                                                           |        |                                       |

| Country and Location<br>French text<br>País y Localidad | Service or<br>Function<br>French<br>test<br>Servicio o<br>Función | VHF Voice<br>French<br>text<br>Voz VHF | VHF Data<br>French<br>text<br>Datos VHF | HF Voice<br>French<br>text<br>Voz HF | HF Data<br>French<br>text<br>Datos HF | Satellite<br>Voice<br>French<br>text<br>Voz por<br>Satélite | Satellite Data<br>French<br>text<br>Datos por<br>Satélite | Mode S | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------|-----------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------|---------------------------------------|
| 1                                                       | 2                                                                 | 3                                      | 4                                       | 5                                    | 6                                     | 7                                                           | 8                                                         | 9      | 10                                    |
| SBFL FLORIANAPOLIS/<br>Hercilio Luz                     | APP-SR-I<br>TWR                                                   | 1 (1)<br>1 (1)                         |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBFZ FORTALEZA/<br>Pinto Martins                        | APP-I<br>TWR                                                      | 1 (1)<br>1 (1)                         |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBFI FOZ DO IGUACU/<br>Cataratas                        | APP-SR-I<br>TWR                                                   | 2 (2)<br>1 (1)                         |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBMQ MACAPA/Intl.                                       | APP<br>TWR                                                        | 1<br>1                                 |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBMU MANAUS                                             | ACC-U<br>GP<br>ACC-L                                              | 4 (4)<br>1 (1)<br>4 (4)                | 2 (06/08)                               | SAM-2 (4)                            | X (06/08)                             | X (06/08)                                                   | X (06/08)                                                 |        |                                       |
| SBEG MANAUS/Eduardo<br>Gomes                            | APP-SR-I<br>TWR<br>SMC                                            | 4 (4)<br>1 (1)<br>1 (1)                |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBNT NATAL/Augusto Severo                               | APP-SR-I<br>TWR<br>SMC                                            | 4 (4)<br>1 (1)<br>1 (1)                |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBPA PORT ALEGRE/<br>Salgado Filho                      | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS                            | 4 (4)<br>1 (1)<br>1 (1)<br>1<br>1      |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SPBH PORTO VELHO                                        | ACC-U<br>ACC-U-ER<br>GP<br>ACC-L                                  | 3 (2)<br>1 (1)<br>1<br>3 (2)           | 2 (06/08)                               | SAM-2 (4)                            | X (06/08)                             | X (06/08)                                                   | X (06/08)                                                 |        |                                       |
| SBRE RECIFE                                             | ACC-U<br>GP<br>ACC-L<br>ATIS                                      | 8 (6)<br>1<br>8 (7)<br>1               | 5 (06/08)                               | SAT-1 (4)<br>SAT-2 (2)<br>SAM-2 (1)  | X (06/08)                             | X (06/08)                                                   | X (06/08)                                                 |        |                                       |
| SBRF RECIFE/Guararapes                                  | APP-SR-1<br>TWR<br>SMC                                            | 4 (2)<br>1 (1)<br>1 (1)                |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBGL RIO DE JANEIRO/Intl.                               | APP-SR-I<br>TWR<br>SMC<br>CLRD<br>ATIS                            | 5 (5)<br>1 (1)<br>1 (1)<br>1 (1)<br>1  | 1 (06/01)                               |                                      |                                       |                                                             |                                                           |        |                                       |
| SBSV SALVADOR/<br>Dois de Julho                         | TWR<br>SMC<br>GP<br>APP-SSR-I<br>ATIS                             | 1 (1)<br>1 (1)<br>1<br>4 (3)<br>1      |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBSN SANTAREM/Intl.                                     | APP-I<br>TWR                                                      | 1 (1)<br>1 (1)                         |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBSJ SAO JOSE DOS                                       | APP                                                               | 1 (1)                                  |                                         |                                      |                                       |                                                             |                                                           |        |                                       |

| Country and Location<br>French text<br>País y Localidad | Service or<br>Function<br>French<br>test<br>Servicio o<br>Función | VHF Voice<br>French<br>text<br>Voz VHF | VHF Data<br>French<br>text<br>Datos VHF | HF Voice<br>French<br>text<br>Voz HF | HF Data<br>French<br>text<br>Datos HF | Satellite<br>Voice<br>French<br>text<br>Voz por<br>Satélite | Satellite Data<br>French<br>text<br>Datos por<br>Satélite | Mode S | Remarks<br>Remarques<br>Observaciones |
|---------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------|-----------------------------------------|--------------------------------------|---------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------|---------------------------------------|
| 1                                                       | 2                                                                 | 3                                      | 4                                       | 5                                    | 6                                     | 7                                                           | 8                                                         | 9      | 10                                    |
| CAMPOS/Sao Jose dos Campos                              | TWR                                                               | 1 (1)                                  |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBSL SAO LUIS/Marechal Cunha Machado                    | APP-I<br>TWR                                                      | 1 (1)<br>1 (1)                         |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBSP SAO PAULO/Congonhas                                | APP-SR-I                                                          | 7 (7)                                  |                                         |                                      |                                       |                                                             |                                                           |        |                                       |
| SBGR SAO PAULO/Guarulhos Intl.                          | TWR<br>SMC<br>CLRD<br>ATIS                                        | 3 (3)<br>1 (1)<br>1 (1)<br>1 (1)       | 1 (06/01)                               |                                      |                                       |                                                             |                                                           |        |                                       |

## Table CNS 2B — Tableau CNS 2B — Tabla CNS 2B

### HF NETWORK DESIGNATORS AT CAR/SAM AERONAUTICAL STATIONS FRENCH TEXT

### TABLA DE DESIGNADORES DE RED HF PARA LAS ESTACIONES AERONAUTICAS CAR/SAM

#### EXPLANATION OF THE TABLE

##### *Column*

- |   |                                                                                                                                                                                                     |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Name of station, preceded by its location indicator.                                                                                                                                                |
| 2 | Network designators assigned to the facility providing HF radiotelephony en-route communications (selected from the provisions of the allotment plan in Appendix S27 to the ITU Radio Regulations). |

#### NOTES

The ICAO designators for HF MWARA and VOLMET networks in the CAR/SAM regions are derived from the ITU allotment area abbreviations as contained in Appendix S27 to the ITU Radio Regulations.

ITU allotment area:

Two- and three-letter alpha entries indicate major world air route areas (MWARA):

|     |   |                |
|-----|---|----------------|
| CAR | = | Caribbean      |
| NAT | = | North Atlantic |
| SAM | = | South America  |
| SAT | = | South Atlantic |

Four-letter alpha entries indicate VOLMET areas:

|       |   |                      |
|-------|---|----------------------|
| V CAR | = | VOLMET Caribbean     |
| V SAM | = | VOLMET South America |

Frequency 17 907 kHz is common to allotment areas CAR, SAM, EA and SEA.

Remarks indicate:

- (1) Available for future use in the allotment area indicated, subject to coordination with ICAO.
- (2) Available for future use in the network indicated, subject to coordination with ICAO.

#### EXPLICACION DE LA TABLA

##### *Columna*

- |   |                                                          |
|---|----------------------------------------------------------|
| 1 | Nombre de la estación, precedido el indicador del lugar. |
|---|----------------------------------------------------------|
-

- 2 Designadores de red asignados a la instalación que proporciona comunicaciones radiotelefónicas HF en ruta (tomadas de las disposiciones del plan de adjudicación del Apéndice S27 del Reglamento de Radiocomunicaciones de la UIT).

#### NOTAS

Los encabezamientos de las columnas 3 a 11 indican el designador OACI para HF en las zonas de paso de rutas aéreas mundiales principales (ZRMP) y redes VOLMET en las Regiones CAR y SAM y se han obtenido a partir de las abreviaturas de zonas de adjudicación de la UIT según figuran en el Apéndice S27 del Reglamento de Radiocomunicaciones de la UIT:

Zonas de adjudicación UIT:

Las anotaciones alfabéticas de dos y tres letras indican las zonas de paso de rutas aéreas mundiales principales (ZRMP):

|     |   |                         |
|-----|---|-------------------------|
| CAR | = | Caribe                  |
| NAT | = | Atlántico septentrional |
| SAM | = | Sudamérica              |
| SAT | = | Atlántico meridional    |

Las anotaciones alfabéticas de cuatro letras indican zonas VOLMET:

|       |   |                   |
|-------|---|-------------------|
| V CAR | = | VOLMET Caribe     |
| V SAM | = | VOLMET Sudamérica |

La frecuencia 17 907 kHz es común a las zonas de adjudicación CAR, SAM, EA y SEA.

Observaciones indica:

- (1) Disponible para uso futuro en la zona de adjudicación indicada, sujeta a coordinación con la OACI.
  - (2) Disponible para uso futuro en la red, sujeta a coordinación con la OACI.
-

## HF ENTRIES AT CAR/SAM AERONAUTICAL STATIONS

## FRENCH TEXT

TABLA EN LA QUE SE MUESTRAN LAS ANOTACIONES PARA LAS  
ESTACIONES AERONAUTICAS CAR/SAM

| Location and function<br>French text<br>Lugar y funcion | HF en-route family<br>French text<br>Familia HF en ruta |
|---------------------------------------------------------|---------------------------------------------------------|
| 1                                                       | 2                                                       |

**ARGENTINA**

|                         |                |
|-------------------------|----------------|
| SAEF BUENOS AIRES       | SAM-1<br>SAM-2 |
| SAVF COMODORO RIVADAVIA | SAM-1          |
| SAMF MENDOZA            | SAM-1          |
| SARR RESISTENCIA        | SAM-1          |

**BOLIVIA**

|                 |                |
|-----------------|----------------|
| SLLP LA PAZ     | SAM-1<br>SAM-2 |
| SLCZ SANTA CRUZ | SAM-1<br>SAM-2 |

**BRAZIL**

|                   |                         |
|-------------------|-------------------------|
| SB.. AMAZONICA    | SAM-2                   |
| SB.. ATLANTICA    | SAM-2<br>SAT-1<br>SAT-2 |
| SBBS BRASILIA     | SAT-1<br>SAM-2          |
| SBCV CURITIBA     | SAM-2                   |
| SBMU MANAUS       | SAM-2                   |
| SBPH PORTO ALEGRE | SAM-2                   |
| SBRE RECIFE       | SAT-1<br>SAT-2<br>SAM-2 |

**CAPE VERDE**

|             |                |
|-------------|----------------|
| GVAC SAL I. | SAT-1<br>SAT-2 |
|-------------|----------------|

| Location and function<br>French text<br>Lugar y funcion | HF en-route family<br>French text<br>Familia HF en ruta |
|---------------------------------------------------------|---------------------------------------------------------|
| 1                                                       | 2                                                       |

**CHILE**

|                     |       |
|---------------------|-------|
| SCFZ ANTOFAGASTA    | SAM-1 |
| SCTZ PUERTO MONTT   | SAM-1 |
| SCCZ PUNTA ARENAS   | SAM-1 |
| SCEZ SANTIAGO       | SAM-1 |
| SCIP ISLA DE PASCUA | SAM-1 |

**COLOMBIA**

|                    |       |
|--------------------|-------|
| SKEC BARRANQUILLA  | CAR-A |
| SKED BOGOTA        | SAM-2 |
| SKCL CALI          | SAM-1 |
| SKLT LETICIA       | SAM-2 |
| SKSP SAN ANDRES I. | SAM-2 |

**CUBA**

|             |       |
|-------------|-------|
| MUHA HABANA | CAR-A |
|-------------|-------|

**DOMINICAN REPUBLIC**

|                    |       |
|--------------------|-------|
| MDCS SANTO DOMINGO | CAR-A |
|--------------------|-------|

**ECUADOR**

|                |       |
|----------------|-------|
| SEGU GUAYAQUIL | SAM-1 |
|----------------|-------|

**FRENCH GUIANA**

|              |                         |
|--------------|-------------------------|
| SOCA CAYENNE | CAR-A<br>SAM-2<br>SAT-2 |
|--------------|-------------------------|

**GUYANA**

|                 |                |
|-----------------|----------------|
| SYGC GEORGETOWN | CAR-A<br>SAM-2 |
|-----------------|----------------|

| Location and function<br>French text<br>Lugar y funcion | HF en-route family<br>French text<br>Familia HF en ruta |
|---------------------------------------------------------|---------------------------------------------------------|
| 1                                                       | 2                                                       |

**HONDURAS**

|                               |                |
|-------------------------------|----------------|
| MHTG TEGUCIGALPA<br>(CENAMER) | CAR-A<br>SAM-1 |
|-------------------------------|----------------|

**MEXICO**

|             |       |
|-------------|-------|
| MMMD MERIDA | CAR-A |
|-------------|-------|

**PANAMA**

|             |                |
|-------------|----------------|
| MPZL PANAMA | CAR-A<br>SAM-1 |
|-------------|----------------|

**PARAGUAY**

|               |                |
|---------------|----------------|
| SGFA ASUNCION | SAM-1<br>SAM-2 |
|---------------|----------------|

**PERU**

|           |       |
|-----------|-------|
| SPIM LIMA | SAM-1 |
|-----------|-------|

**PUERTO RICO (United States)**

|               |                         |
|---------------|-------------------------|
| TJZS SAN JUAN | CAR-B<br>CAR-A<br>NAT-A |
|---------------|-------------------------|

| Location and function<br>French text<br>Lugar y funcion | HF en-route family<br>French text<br>Familia HF en ruta |
|---------------------------------------------------------|---------------------------------------------------------|
| 1                                                       | 2                                                       |

**SENEGAL**

|            |                |
|------------|----------------|
| GOOO DAKAR | SAT-1<br>SAT-2 |
|------------|----------------|

**SURINAME**

|                 |       |
|-----------------|-------|
| SMPM PARAMARIBO | SAM-2 |
|-----------------|-------|

**TRINIDAD AND TOBAGO**

|                    |                         |
|--------------------|-------------------------|
| TTPP PORT OF SPAIN | CAR-A<br>CAR-B<br>SAM-2 |
|--------------------|-------------------------|

**UNITED STATES**

|               |                |
|---------------|----------------|
| KZWW NEW YORK | CAR-A<br>CAR-B |
|---------------|----------------|

**URUGUAY**

|                 |                |
|-----------------|----------------|
| SUEO MONTEVIDEO | SAM-1<br>SAM-2 |
|-----------------|----------------|

**VENEZUELA**

|              |                |
|--------------|----------------|
| SVMI CARACAS | CAR-A<br>SAM-2 |
|--------------|----------------|

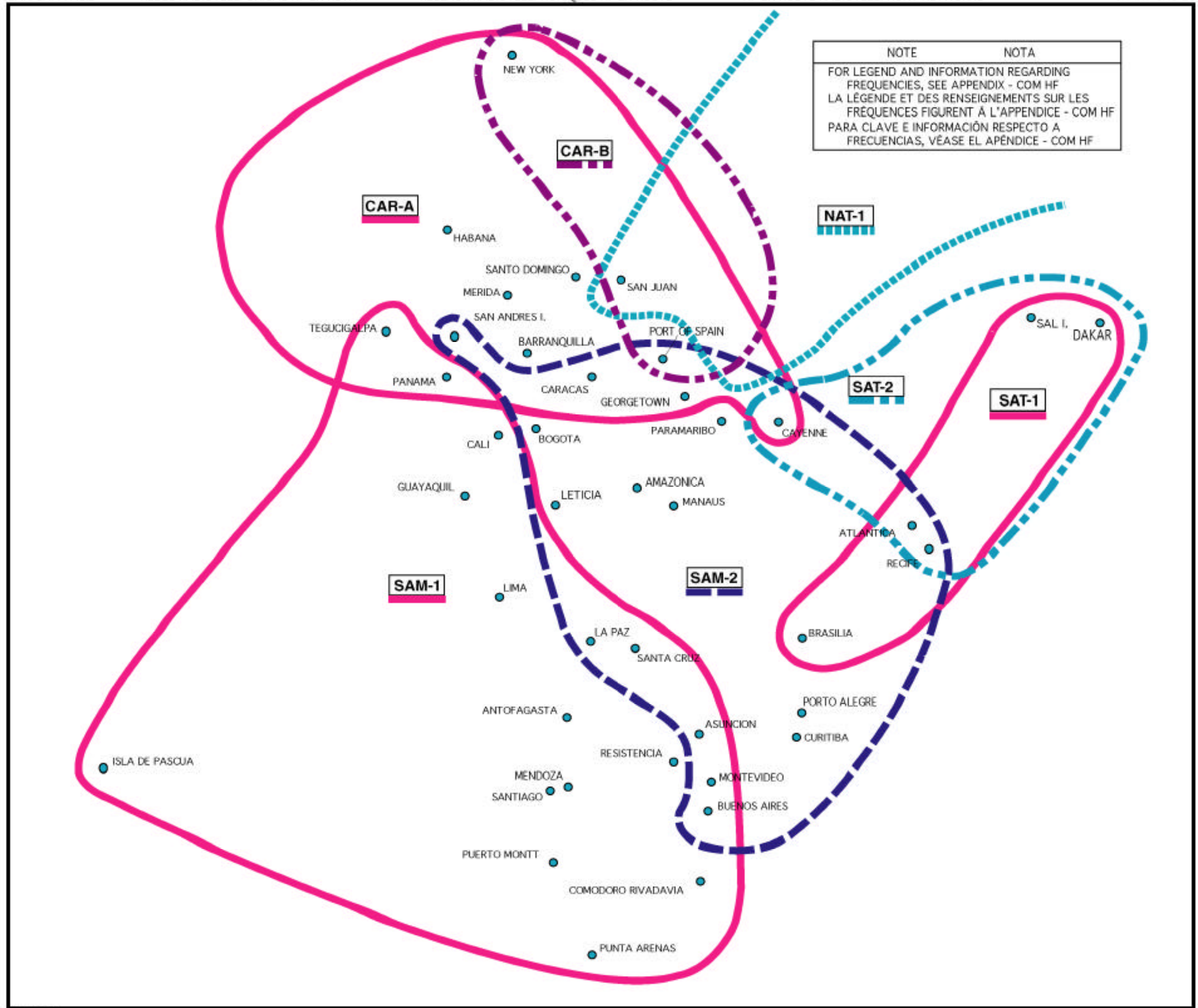
**HF FREQUENCIES AND THEIR ICAO NETWORK DESIGNATORS BASED ON ITU  
APPENDIX S27 ALLOTMENT AREAS**

**FRENCH TEXT**

**TABLA DE FRECUENCIAS Y DESIGNADORES DE RED OACI BASADOS EN EL APENDICE S27  
DE LA UIT SOBRE AREAS DE ASIGNACION**

| Frequency<br>French text<br>Frecuencia<br>(kHz) | ITU allotment area<br>French text<br>Zona de adjudicacion<br>segun UIT | CAR-A | CAR-B | NAT-A | SAM-1 | SAM-2 | SAT-1 | SAT-2 | V CAR | V SAM | Remarks<br>French text<br>Observaciones |
|-------------------------------------------------|------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------------------|
| 1                                               | 2                                                                      | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12                                      |
| 2854                                            | SAT                                                                    |       |       |       |       |       |       | X     |       |       |                                         |
| 2872                                            | NAT                                                                    |       |       |       |       |       |       |       |       |       | (1)                                     |
| 2881                                            | V SAM                                                                  |       |       |       |       |       |       |       |       | X     | (2)                                     |
| 2887                                            | CAR                                                                    | X     |       |       |       |       |       |       |       |       |                                         |
| 2935                                            | SAT                                                                    |       |       |       |       |       |       |       |       |       | (1)                                     |
| 2944                                            | SAM                                                                    |       |       |       | X     |       |       |       |       |       |                                         |
| 2950                                            | V CAR                                                                  |       |       |       |       |       |       |       | X     |       | (2)                                     |
| 3016                                            | NAT                                                                    |       |       | X     |       |       |       |       |       |       |                                         |
| 3452                                            | SAT                                                                    |       |       |       |       |       | X     |       |       |       |                                         |
| 3455                                            | CAR                                                                    |       | X     |       |       |       |       |       |       |       |                                         |
| 3476                                            | NAT                                                                    |       |       |       |       |       |       |       |       |       | (1)                                     |
| 3479                                            | SAM                                                                    |       |       |       |       | X     |       |       |       |       |                                         |
| 4669                                            | SAM                                                                    |       |       |       | X     |       |       |       |       |       |                                         |
| 5520                                            | CAR                                                                    |       | X     |       |       |       |       |       |       |       |                                         |
| 5526                                            | SAM                                                                    |       |       |       |       | X     |       |       |       |       |                                         |
| 5550                                            | CAR                                                                    | X     |       |       |       |       |       |       |       |       |                                         |
| 5565                                            | SAT                                                                    |       |       |       |       |       |       | X     |       |       |                                         |
| 5580                                            | V CAR                                                                  |       |       |       |       |       |       |       | X     |       | (2)                                     |
| 5598                                            | NAT                                                                    |       |       | X     |       |       |       |       |       |       |                                         |
| 5601                                            | V SAM                                                                  |       |       |       |       |       |       |       |       | X     | (2)                                     |
| 6535                                            | SAT                                                                    |       |       |       |       |       | X     |       |       |       |                                         |
| 6577                                            | CAR                                                                    | X     |       |       |       |       |       |       |       |       |                                         |
| 6586                                            | CAR                                                                    |       | X     |       |       |       |       |       |       |       |                                         |
| 6622                                            | NAT                                                                    |       |       |       |       |       |       |       |       |       | (1)                                     |
| 6628                                            | NAT                                                                    |       |       |       |       |       |       |       |       |       | (1)                                     |
| 6649                                            | SAM                                                                    |       |       |       | X     |       |       |       |       |       |                                         |
| 8825                                            | NAT                                                                    |       |       | X     |       |       |       |       |       |       |                                         |
| 8831                                            | NAT                                                                    |       |       |       |       |       |       |       |       |       | (1)                                     |
| 8846                                            | CAR                                                                    |       | X     |       |       |       |       |       |       |       |                                         |
| 8855                                            | SAM                                                                    |       |       |       |       | X     |       |       |       |       |                                         |
| 8861                                            | SAT                                                                    |       |       |       |       |       | X     |       |       |       |                                         |
| 8906                                            | NAT                                                                    |       |       |       |       |       |       |       |       |       | (1)                                     |
| 8918                                            | CAR                                                                    | X     |       |       |       |       |       |       |       |       |                                         |
| 10024                                           | SAM                                                                    |       |       |       | X     |       |       |       |       |       |                                         |
| 10087                                           | V SAM                                                                  |       |       |       |       |       |       |       |       | X     | (2)                                     |
| 10096                                           | SAM                                                                    |       |       |       |       | X     |       |       |       |       |                                         |

| Frequency<br>French text<br>Frecuencia<br>(kHz) | ITU allotment area<br>French text<br>Zona de adjudicacion<br>segun UIT | CAR-A | CAR-B | NAT-A | SAM-1 | SAM-2 | SAT-1 | SAT-2 | V CAR | V SAM | Remarks<br>French text<br>Observaciones |
|-------------------------------------------------|------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------------------|
| 1                                               | 2                                                                      | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12                                      |
| 11291                                           | SAT                                                                    |       |       |       |       |       |       | X     |       |       | (1)<br>(2)<br>(1)                       |
| 11309                                           | NAT                                                                    |       |       |       |       |       |       |       |       |       |                                         |
| 11315                                           | V CAR                                                                  |       |       |       |       |       |       |       | X     |       |                                         |
| 11336                                           | NAT                                                                    |       |       |       |       |       |       |       |       |       |                                         |
| 11360                                           | SAM                                                                    |       |       |       | X     |       |       |       |       |       |                                         |
| 11387                                           | CAR                                                                    |       | X     |       |       |       |       |       |       |       |                                         |
| 11396                                           | CAR                                                                    | X     |       |       |       |       |       |       |       |       |                                         |
| 13297                                           | CAR/SAM                                                                | X     |       |       |       | X     |       |       |       |       |                                         |
| 13306                                           | NAT                                                                    |       |       | X     |       |       |       |       |       |       |                                         |
| 13315                                           | SAT                                                                    |       |       |       |       |       |       | X     |       |       |                                         |
| 13357                                           | SAT                                                                    |       |       |       |       |       | X     |       |       |       |                                         |
| 17907                                           | CAR/SAM                                                                | X     |       |       | X     | X     |       |       |       |       |                                         |
| 17946                                           | NAT                                                                    |       |       | X     |       |       |       |       |       |       |                                         |
| 17955                                           | SAT                                                                    |       |       |       |       |       | X     | X     |       |       |                                         |



# Table CNS 3 — Tableau CNS 3 — Tabla CNS 3

## TABLE OF RADIO NAVIGATION AIDS FRENCH TABLA DE AYUDAS PARA LA RADIONAVEGACIÓN

### EXPLANATION OF THE TABLE

#### Column

- 1 Name of the country, city and aerodrome and, for route aids, the location of the installation.
  - 2 The designator number and runway type:  
  
 NINST — Visual flight runway  
 NPA — Non precision approach runway  
 PA1 — Precision approach runway, Category I  
 PA2 — Precision approach runway, Category II  
 PA3 — Precision approach runway, Category III
  - 3 The functions carried out by the aids appear in columns 4 to 8 and 10 to 12.  
  
 A/L — Approach and landing  
 T — Terminal  
 E — En route
  - 4 ILS — Instrument landing system. Roman numerals I, II and III indicate the acting category of the ILS I, II or III. (I) indicates that the facility is implemented.  
  
 The letter “D” indicates a DME requirement to serve as a substitute for a marker beacon component of an ILS.  
  
*Note.— Indication of the category refers to the performance standard to be achieved and maintained, in accordance with pertinent specifications in ICAO Annex 10, and not to specifications of the ILS equipment, since both specifications are not necessarily the same.*  
  
 An asterisk (\*) indicates that the ILS requires a Category II signal, but without the reliability and availability which redundant equipment and automatic switching provide.
  - 5 Radio beacon localizer, be it associated with an ILS or to be used as an approach aid at an aerodrome.
  - 6 Radiotelemetrical equipment. When an “X” appears in column 6 in line with the VOR in column 7, this indicates the need that the DME be installed at a common site with the VOR.
  - 7 VOR VHF omnidirectional radio range.
  - 8 NDB non-directional radio beacon.
-

- 9 The distances and altitude to which the VOR or VOR/DME signals are required, indicated in nautical miles (NM) or thousands of feet, or the nominal coverage recommended of the NDB, indicated in nautical miles.
- 10, 11 GNSS — global navigation satellite system (includes GBAS and SBAS).
- GBAS (ground-based augmentation system) implementation planned to be used in precision approach and landing CAT I, CAT II, CAT III.
- SBAS (satellite-based augmentation system) implementation planned to be used for route navigation, for terminal, for non precision approach and landing. An “X” indicates service availability; exact location of installation will be determined.

*Note. — GPS receiver is under standard rules and ABAS (aircraft-based augmentation system).*

- 12 Remarks

*Note.— Columns 5 to 12 use the following symbols:*

D — DME required but not implemented.

DI — DME required and implemented.

X — Required but not implemented.

XI — Required and implemented.

#### EXPLICATION DU TABLEAU

#### EXPLICACIÓN DE LA TABLA

##### Columna

- 1 Nombre del país, ciudad y aeródromo y, para las ayudas en ruta, el emplazamiento de la instalación.
- 2 Número de designador y tipo de pista:
- NINST — Pista de vuelo visual  
NPA — Pista de aproximación que no es de precisión  
PA1 — Pista de aproximación de precisión, Categoría I  
PA2 — Pista de aproximación de precisión, Categoría II
- 3 La función efectuada por las ayudas figura en las Columnas 4 a 8 y 10 a 12.
- A/L — Aproximación y aterrizaje  
T — Terminal  
E — En ruta
- 4 ILS — Sistema de aterrizaje por instrumentos. Los números romanos I y II indican la categoría de actuación del ILS, I, II o III. (I) indican que la instalación está de servicio.

La letra “D” indica que se requiere DME como sustituto de un componente de radiobaliza de un ILS.

*Nota.— La indicación de la categoría se refiere a la norma de performance que ha de alcanzarse y mantenerse, de conformidad con las especificaciones pertinentes del Anexo 10 de la OACI, y no con las especificaciones del equipo ILS, ya que ambas especificaciones no son necesariamente las mismas.*

- Un asterisco (\*) indica que el ILS requiere una señal de Categoría II, pero sin la fiabilidad y disponibilidad que proporcionan el equipo de reserva y la conmutación automática.
- 5 Localizador de radiofaro, asociado a un ILS o para utilizarlo como ayuda de aproximación en un aeródromo.
- 6 Cuando figura una “X” en la Columna 6 junto con el VOR de la Columna 7, quiere decir que el DME debe instalarse en un sitio común con el VOR.
- 7 VOR.
- 8 NDB radiofaro no direccional.
- 9 Las distancias y altitud a las cuales se requieren señales VOR o VOR/DME indicadas en millas marinas (NM) o miles de pies, o la cobertura nominal recomendada del NDB indicada en millas marinas.
- 10, 11 GNSS — Sistema mundial de navegación por satélite (incluye GBAS y SBAS).
- GBAS (Sistema de aumentación basada en tierra) según lo previsto se utilizará en las aproximaciones y aterrizajes de precisión de CAT I, CAT II y CAT III.
- SBAS (Sistema de aumentación basada en satélites) según lo previsto, se utilizará en navegación en ruta, terminal, y aproximaciones y aterrizajes que no son de precisión. La “X” indica disponibilidad de servicio; se determinará el emplazamiento exacto de la instalación.
- Nota.— El receptor GPS se ajusta a reglas estándar y ABAS (Sistema de aumentación basado en la aeronave).*
- 12 Observaciones
- Nota.— En la Columnas 5 a 12 se utilizan los símbolos siguientes:*
- D — DME requerido pero no en servicio.  
DI — DME requerido y en servicio.  
X — Requerido pero no en servicio.  
XI — Requerido y en servicio.



| Station/Territory<br>French<br>Estacion/Territorio   | Rwy<br>Type<br>Tipo    | Function<br>Fr<br>Funcion | ILS                     | L | DME                      | VOR                      | NDB                | Coverage<br>Fr<br>Cobertura | GNSS       |                     | Remarks<br>Remarques<br>Observaciones |
|------------------------------------------------------|------------------------|---------------------------|-------------------------|---|--------------------------|--------------------------|--------------------|-----------------------------|------------|---------------------|---------------------------------------|
|                                                      |                        |                           |                         |   |                          |                          |                    |                             | GBAS       | SBAS                |                                       |
| 1                                                    | 2                      | 3                         | 4                       | 5 | 6                        | 7                        | 8                  | 9                           | 10         | 11                  | 12                                    |
| <b>ANGUILLA (United Kingdom)</b>                     |                        |                           |                         |   |                          |                          |                    |                             |            |                     |                                       |
| THE VALLEY WALL BLAKE, Anguilla I.                   | 10 NPA                 | A/L                       |                         |   |                          |                          | XI                 |                             |            | X                   |                                       |
| <b>ANTIGUA AND BARBUDA</b>                           |                        |                           |                         |   |                          |                          |                    |                             |            |                     |                                       |
| SAINT JOHNS/V.C. Bird, Antigua I.                    | 07 PA1<br>25 NPA       | A/L<br>A/L<br>T<br>E<br>E | II* D                   |   | XI<br><br>XI<br>XI       | XI<br><br>XI<br>XI       | XI<br><br><br>XI   | 200/45<br>400               | X<br>X     | <br><br>X<br>X<br>X |                                       |
| <b>ARGENTINA</b>                                     |                        |                           |                         |   |                          |                          |                    |                             |            |                     |                                       |
| BUENOS AIRES/Aeroparque<br>Jorge Newbery             | 13 PA1                 | A/L                       | II D (I)                |   | XI                       | XI                       |                    |                             | X          |                     |                                       |
| BUENOS AIRES/Ezeiza<br>Ministro Pistarini            | 11 PA3<br><br>35 PA1   | A/L<br><br>A/L<br>T<br>E  | III D (I)<br><br>II (I) |   | XI<br><br>XI<br>XI<br>XI | XI<br><br>XI<br>XI<br>XI |                    | 160/45                      | X<br><br>X | <br><br>X<br>X      |                                       |
| BUENOS AIRES/San Fernando                            | 23 NPA                 | A/L<br>T                  |                         |   | XI<br>XI                 | XI<br>XI                 |                    |                             |            |                     |                                       |
| CATARATAS DEL IGUAZU/My. D.<br>Carlos Eduardo Krause | 31 PA1<br><br>13 NPA   | A/L<br><br>A/L<br>T/E     | I D (I)                 |   | X<br><br>X               | XI<br><br>XI<br>XI       |                    | 190/45                      | X          | <br><br>X           |                                       |
| CERES                                                |                        | E                         |                         |   | XI                       | XI                       |                    | 200/45                      |            | X                   |                                       |
| COMODORO RIVADAVIA/Gral.<br>Mosconi                  | 25 PA1<br><br>07 NINST | A/L<br><br>E<br>E         | I (I)                   |   | X<br><br>XI              | XI<br><br>XI             |                    | 200/45                      | X          | <br><br>X           |                                       |
| CORDOBA/Ing. Aer. A. L. Taravella                    | 18 PA1<br>36 NINST     | A/L<br><br>T<br>E<br>E    | II* D (I)               |   | XI<br><br>XI<br>XI       | XI<br><br>XI<br>XI       | XI<br><br>XI<br>XI | 200/45<br>90                | X          | <br><br>X<br>X<br>X |                                       |
| FORMOSA/Formosa                                      | 03 NPA<br>21 PA1       | A/L<br>A/L<br>T<br>E      | I D (I)                 |   | XI<br>XI<br>XI<br>XI     | XI<br>XI<br>XI<br>XI     | XI<br>XI<br>XI     | 200/45                      | X          | X<br>X<br>X         |                                       |
| GENERAL PICO                                         |                        | E                         |                         |   |                          | XI                       |                    | 160/45                      |            | X                   |                                       |
| GUALEGUAYCHU                                         |                        | E                         |                         |   |                          |                          |                    | 190/45                      |            | X                   |                                       |
| JUJUY/Jujuy                                          | 33 PA1<br>15 NINST     | A/L                       | I (I) D                 |   | XI                       | XI                       | XI                 |                             | X          |                     |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS      | L | DME | VOR | NDB | Coverage<br>Fr<br>Cobertura | GNSS |      | Remarks<br>Remarques<br>Observaciones |    |    |    |               |   |   |
|----------------------------------------------------|---------------------|---------------------------|----------|---|-----|-----|-----|-----------------------------|------|------|---------------------------------------|----|----|----|---------------|---|---|
|                                                    |                     |                           |          |   |     |     |     |                             | GBAS | SBAS |                                       |    |    |    |               |   |   |
| 1                                                  | 2                   | 3                         | 4        | 5 | 6   | 7   | 8   | 9                           | 10   | 11   | 12                                    |    |    |    |               |   |   |
| JUNIN                                              |                     | T/E                       |          |   | XI  | XI  | XI  | 200/45<br>200               |      | X    |                                       |    |    |    |               |   |   |
|                                                    |                     | E                         |          |   |     |     |     |                             |      | X    |                                       |    |    |    |               |   |   |
|                                                    |                     | E                         |          |   |     |     |     |                             |      | X    |                                       |    |    |    |               |   |   |
| LABOULAYE                                          |                     | E                         |          |   | X   | XI  |     | 200/45                      |      | X    |                                       |    |    |    |               |   |   |
| LA PLATA                                           |                     | E                         |          |   |     | XI  | XI  | 230/45<br>110               |      | X    |                                       |    |    |    |               |   |   |
| LAS LOMITAS                                        |                     | E                         |          |   |     | XI  |     | 200/45                      |      | X    |                                       |    |    |    |               |   |   |
| MALARGUE                                           |                     | E                         |          |   | XI  | XI  |     | 250/45                      |      | X    |                                       |    |    |    |               |   |   |
| MAR DE PLATA/Brig. Gral. B. de la Colina           | 13 PA1<br>31 NINST  | A/L                       | II D (I) |   | XI  | XI  | XI  |                             | X    | X    |                                       |    |    |    |               |   |   |
|                                                    |                     | T                         |          |   |     |     |     |                             |      |      |                                       | XI | XI | XI | X             | X |   |
|                                                    |                     | E                         |          |   |     |     |     |                             |      |      |                                       | XI | XI | XI | X             | X |   |
| MARCOS JUAREZ                                      |                     | E                         |          |   | X   | XI  |     | 200/45                      |      | X    |                                       |    |    |    |               |   |   |
| MENDOZA/EI Plumerillo                              | 18 NPA<br>36 PA1    | A/L                       | II (I) D |   | XI  | XI  | XI  |                             |      |      | X                                     |    |    |    |               |   |   |
|                                                    |                     | A/L                       |          |   |     |     |     |                             |      |      |                                       | XI | XI | XI | X             | X |   |
|                                                    |                     | T                         |          |   |     |     |     |                             |      |      |                                       | XI | XI | XI | X             | X |   |
|                                                    |                     | E                         |          |   |     |     |     |                             |      |      |                                       | XI | XI |    | 210/45        | X | X |
| MONTE CASEROS                                      |                     | E                         |          |   | X   | XI  |     | 210/45                      |      | X    |                                       |    |    |    |               |   |   |
| NEUQUEN/Presidente Peron                           | 08 PA1<br>26 NINST  | A/L                       | I (I)    |   | XI  | XI  |     |                             | X    |      |                                       |    |    |    |               |   |   |
|                                                    |                     | T/E                       |          |   |     |     |     |                             |      |      |                                       | XI | XI | XI | X             | X |   |
| ORAN                                               |                     | E                         |          |   |     |     | XI  | 70                          |      | X    |                                       |    |    |    |               |   |   |
| POSADAS/Libertador Gral. D. José de San Martín     | 01 NPA<br>19 PA1    | A/L                       | II D (I) |   | XI  | XI  | XI  |                             |      | X    |                                       |    |    |    |               |   |   |
|                                                    |                     | A/L                       |          |   |     |     |     |                             |      |      |                                       | XI | XI | XI | X             | X |   |
|                                                    |                     | T                         |          |   |     |     |     |                             |      |      |                                       | XI | XI |    | 200/45        | X | X |
|                                                    |                     | E                         |          |   |     |     |     |                             |      |      |                                       | XI | XI |    | 200/45        |   | X |
| RECONQUISTA                                        |                     | E                         |          |   | XI  | XI  |     | 200/45                      |      | X    |                                       |    |    |    |               |   |   |
| RESISTENCIA/Resistencia                            | 21 PA1<br>03 NINST  | A/L                       | II (I)   |   | XI  | XI  | XI  |                             | X    |      |                                       |    |    |    |               |   |   |
|                                                    |                     | T/E                       |          |   |     |     |     |                             |      |      |                                       | XI | XI |    | 200/45        | X | X |
|                                                    |                     | E                         |          |   |     |     |     |                             |      |      |                                       |    | XI |    | 200/45<br>200 |   | X |
| RIO GALLEGOS/Piloto Civil N. Fernández             | 25 PA1<br>07 NPA    | A/L                       | II (I) D |   | XI  | XI  | XI  |                             | X    |      |                                       |    |    |    |               |   |   |
|                                                    |                     | A/L                       |          |   |     |     |     |                             |      |      |                                       | XI | XI | XI | X             | X |   |
|                                                    |                     | T/E                       |          |   |     |     |     |                             |      |      |                                       | XI | XI |    | 200/45        | X | X |
|                                                    |                     | E                         |          |   |     |     |     |                             |      |      |                                       |    | XI |    | 80            |   | X |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS       | L | DME      | VOR            | NDB    | Coverage<br>Fr<br>Cobertura | GNSS          |                  | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-----------|---|----------|----------------|--------|-----------------------------|---------------|------------------|---------------------------------------|
|                                                    |                     |                           |           |   |          |                |        |                             | GBAS          | SBAS             |                                       |
| 1                                                  | 2                   | 3                         | 4         | 5 | 6        | 7              | 8      | 9                           | 10            | 11               | 12                                    |
| RIO GRANDE/Rio Grande                              | 25 PA1              | A/L                       | I D (I)   |   | X        | XI             |        |                             |               | X                |                                       |
|                                                    |                     | T/E<br>E                  |           |   |          | X              | XI     | XI                          | 200/45<br>200 |                  |                                       |
| ROSARIO/Rosario                                    | 19 PA1<br>01 NINST  | A/L                       | I (I)     |   | XI       | XI             |        |                             |               | X                |                                       |
|                                                    |                     | T/E                       |           |   |          | XI             | XI     |                             | 200/45        |                  |                                       |
| SALTA/Salta                                        | 01 PA1<br>19 NINST  | A/L                       | I (I) D   |   | XI       | XI             | XI     |                             |               | X                |                                       |
|                                                    |                     | T/E                       |           |   |          | XI             | XI     |                             | 200/45        |                  |                                       |
| SAN ANTONIO DE ARECO                               |                     | E<br>E                    |           |   | X        | XI             |        | 200/45<br>150               |               | X<br>X           |                                       |
|                                                    |                     |                           |           |   |          | XI             |        |                             |               |                  |                                       |
| SAN CARLOS DE BARILOCHE/San<br>Carlos de Bariloche | 11 NPA              | A/L                       | I D (I)   |   | XI       | XI             |        |                             |               | X                |                                       |
|                                                    | 29 PA1              | A/L<br>T/E<br>E           |           |   |          | XI<br>XI       | XI     |                             | 200/45<br>150 |                  |                                       |
| SAN JUAN                                           |                     | E<br>E                    |           |   | XI       | XI             |        | 230/45                      |               | X<br>X           |                                       |
| SAN RAFAEL                                         |                     | E                         |           |   |          | XI             |        | 180/45                      |               | X                |                                       |
| TANDIL                                             |                     | E                         |           |   | XI       | XI             |        | 210/45                      |               | X                |                                       |
| TRELEW                                             |                     | E                         |           |   | XI       | XI             |        | 200/45                      |               | X                |                                       |
| TUCUMAN/Tte. Benjamín Matienzo                     | 01 PA1<br>19 NINST  | A/L                       | I (I)     |   | XI       | XI             | X      |                             |               | X                |                                       |
|                                                    |                     | T/E                       |           |   |          | X              | XI     |                             | 290/45        |                  |                                       |
| USHUAIA/Malvinas Argentinas                        | 25 PA1<br>07 NPA    | A/L<br>A/L<br>E           | I D (I)   |   |          | XI<br>XI<br>XI |        |                             | X<br>X        |                  |                                       |
|                                                    |                     |                           |           |   |          |                | 200/45 |                             | X             |                  |                                       |
| ARUBA (Netherlands)                                |                     |                           |           |   |          |                |        |                             |               |                  |                                       |
| ORANJESTAD/Reina Beatrix, Aruba I.                 | 11 PA1<br>29 NPA    | A/L<br>A/L<br>T<br>E      | II* D (I) |   | XI       | XI             |        |                             |               | X<br>X           |                                       |
|                                                    |                     |                           |           |   | XI<br>XI | XI<br>XI       |        | 200/45                      |               | X<br>X<br>X      |                                       |
| BAHAMAS                                            |                     |                           |           |   |          |                |        |                             |               |                  |                                       |
| ALICE TOWN/South Bimini, Bimini I.                 | NINST               |                           |           |   | XI<br>XI | XI<br>XI       |        |                             |               |                  |                                       |
|                                                    |                     | T<br>E<br>E               |           |   |          |                |        | 200/45<br>285               |               | X<br>X<br>X<br>X |                                       |
| CAPE ELEUTHERA/Cape Eleuthera,<br>Eleuthera I.     | NINST               |                           |           |   |          |                | XI     |                             |               | X                |                                       |

| Station/Territory<br>French<br>Estacion/Territorio     | Rwy<br>Type<br>Tipo                  | Function<br>Fr<br>Funcion  | ILS       | L | DME                    | VOR                    | NDB          | Coverage<br>Fr<br>Cobertura | GNSS             |                     | Remarks<br>Remarques<br>Observaciones |
|--------------------------------------------------------|--------------------------------------|----------------------------|-----------|---|------------------------|------------------------|--------------|-----------------------------|------------------|---------------------|---------------------------------------|
|                                                        |                                      |                            |           |   |                        |                        |              |                             | GBAS             | SBAS                |                                       |
| 1                                                      | 2                                    | 3                          | 4         | 5 | 6                      | 7                      | 8            | 9                           | 10               | 11                  | 12                                    |
| FREEPOR/Intl, Grand Bahama I.                          | 06 PA1<br>24 NPA                     | A/L<br>A/L<br>T            | II* D     |   | XI<br><br>XI           | XI<br><br>XI           | XI           |                             | X<br>X           | <br><br>X           |                                       |
| GEORGE TOWN/EXUMA Intl,<br>Exuma I.                    |                                      | A/L                        |           |   | XI                     | XI                     | XI           |                             | X                |                     |                                       |
| GOVERNOR'S HARBOUR/Governor's<br>Harbour, Eleuthera I. | 15 NPA                               |                            |           |   | XI                     | XI                     |              |                             | X                |                     |                                       |
|                                                        |                                      | T<br>E                     |           |   | XI<br>XI               | XI<br>XI               |              |                             |                  | <br>X<br>X          |                                       |
| MARSH HARBOUR/Marsh Harbour,<br>Abaco I.               | NINST                                |                            |           |   |                        |                        |              |                             |                  | <br>X               |                                       |
| NASSAU/Intl, New Providence I.                         | 14 PA1<br>32 NPA<br>09 NPA<br>27 NPA | A/L<br><br><br>T<br>E<br>E | II* D     |   | XI<br><br><br>XI<br>XI | XI<br><br><br>XI<br>XI |              |                             | X<br>X<br>X<br>X |                     | <br>X<br>X<br>X                       |
|                                                        |                                      |                            |           |   |                        |                        | XI           | 200/45<br>400               |                  | <br>X<br>X          |                                       |
| NORTH ELEUTHERA/North Eleuthera,<br>Eleuthera I.       | NINST                                |                            |           |   |                        |                        |              |                             |                  |                     |                                       |
| TREASURE CAY/Treasure Cay,<br>Abaco I.                 | 14 NPA<br><br>32 NPA                 | <br><br>T<br>E             |           |   | XI<br><br>XI<br>XI     | XI<br><br>XI<br>XI     |              |                             |                  | <br>X<br>X<br>X     |                                       |
| WEST END/West End,<br>Grand Bahama I.                  | 11 NPA                               |                            |           |   | X                      | X                      |              |                             |                  | <br>X               |                                       |
| <b>BARBADOS</b>                                        |                                      |                            |           |   |                        |                        |              |                             |                  |                     |                                       |
| BRIDGETOWN/Grantley Adams Intl.                        | 09 PA1<br>27 NPA                     | A/L<br><br>T<br>E<br>E     | II* D     |   | XI<br><br>XI<br>XI     | XI<br><br>XI<br>XI     | XI<br><br>XI |                             | X                | <br><br>X<br>X<br>X |                                       |
|                                                        |                                      |                            |           |   |                        |                        | XI           | 200/45<br>355               |                  | <br>X<br>X          |                                       |
| <b>BELIZE</b>                                          |                                      |                            |           |   |                        |                        |              |                             |                  |                     |                                       |
| BELIZE/Intl.                                           | 07 PA1<br>25 NPA                     | A/L<br><br>T<br>E<br>E     | II* D (I) |   | XI<br><br>XI<br>XI     | XI<br><br>XI<br>XI     | XI<br><br>XI |                             | X                | <br><br>X<br>X<br>X |                                       |
|                                                        |                                      |                            |           |   |                        |                        | XI           | 200/45<br>275               |                  | <br>X<br>X          |                                       |
| <b>BOLIVIA</b>                                         |                                      |                            |           |   |                        |                        |              |                             |                  |                     |                                       |
| CHARAÑA                                                |                                      | E                          |           |   |                        |                        | XI           | 60                          |                  | <br>X               |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS       | L  | DME            | VOR            | NDB           | Coverage<br>Fr<br>Cobertura | GNSS   |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-----------|----|----------------|----------------|---------------|-----------------------------|--------|-------------|---------------------------------------|
|                                                    |                     |                           |           |    |                |                |               |                             | GBAS   | SBAS        |                                       |
| 1                                                  | 2                   | 3                         | 4         | 5  | 6              | 7              | 8             | 9                           | 10     | 11          | 12                                    |
| COCHABAMBA/Jorge Wilsterman                        | 31 PA1              | A/L<br>E<br>E             | I D       | XI | XI<br>XI       | XI<br>XI       |               | 100/45<br>100               | X      | X<br>X      |                                       |
| LA PAZ/EI Atlo Intl.                               | 10R PA1             | A/L<br>T<br>E<br>E        | II* D (I) | XI | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br>XI<br>X | 100/45<br>275               | X      | X<br>X<br>X |                                       |
| CALAMARCA                                          |                     | T<br>E                    |           |    | XI<br>XI       | XI<br>XI       |               | 100/45                      | X      | X           |                                       |
| RIBERALTA                                          |                     | E<br>E                    |           |    |                | XI             | XI            | 100/45<br>100               |        | X<br>X      |                                       |
| ROBORE                                             |                     | E<br>E                    |           |    |                | XI             | X             | 100/45<br>100               |        | X<br>X      |                                       |
| SANTA ANA                                          |                     | E                         |           |    |                |                | X             | 100                         |        | X           |                                       |
| SANTA CRUZ/Viru Viru                               | 15 NPA<br>33 PA1    | A/L<br>A/L<br>T<br>E<br>E | I<br>I    | XI | XI<br>XI<br>XI | XI<br>XI<br>XI | XI            | 200/45<br>200               | X<br>X | X<br>X      |                                       |
| SUCRE                                              |                     | E<br>E                    |           |    | XI             | XI             | XI            | 125/45<br>125               |        | X<br>X      |                                       |
| TARIJA/Oriel Lea Plaza                             | 13 NPA              | A/L<br>E<br>E             |           |    | XI             | XI<br>XI       | XI<br>XI      | 100<br>80                   |        | X<br>X      |                                       |
| TRINIDAD/Tte. Av. Jorge Henrich<br>Arauz           | 14 PA1<br>32 NPA    | A/L<br>A/L<br>E<br>E      | II        |    | XI             | XI             | XI            | 180/45<br>80                | X<br>X | X<br>X      |                                       |
| YACUIBA                                            |                     | E                         |           |    |                |                | XI            | 100                         |        | X           |                                       |
| <b>BRAZIL</b>                                      |                     |                           |           |    |                |                |               |                             |        |             |                                       |
| ABROLHOS                                           |                     | E                         |           |    |                |                | XI            | 90                          |        |             |                                       |
| ALDEIA                                             |                     | T<br>E                    |           |    |                |                | XI<br>XI      | 30                          |        |             |                                       |
| ALTA FLORESTA                                      |                     | E<br>E                    |           |    | XI             | XI             | XI            | 200/45<br>200               |        |             |                                       |
| AMAPA                                              |                     | E                         |           |    |                |                | XI            | 180                         |        |             |                                       |
| ARACAJU                                            |                     | E<br>E                    |           |    | XI             | XI             | XI            | 120/45<br>100               |        |             |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS      | L  | DME                  | VOR                  | NDB            | Coverage<br>Fr<br>Cobertura | GNSS |      | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|----------|----|----------------------|----------------------|----------------|-----------------------------|------|------|---------------------------------------|
|                                                    |                     |                           |          |    |                      |                      |                |                             | GBAS | SBAS |                                       |
| 1                                                  | 2                   | 3                         | 4        | 5  | 6                    | 7                    | 8              | 9                           | 10   | 11   | 12                                    |
| BAGE                                               |                     | E<br>E                    |          |    |                      | XI                   | XI             | 100/45<br>100               |      |      |                                       |
| BARREIRAS                                          |                     | E<br>E                    |          |    |                      | XI                   | XI             | 200/45<br>200               |      |      |                                       |
| BAURU                                              |                     | E<br>E                    |          |    | X                    | X                    | XI             | 200/45<br>200               |      |      |                                       |
| BELEM/Val De Caes                                  | 06 PA1<br>24 NPA    | A/L<br>A/L<br>T/E<br>E    | ID       | XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI |                | 200/45<br>150               |      |      |                                       |
| BELO HORIZONTE/Tancredo<br>Neves Intl.             | 16 PA1<br>34 NPA    | A/L<br>A/L<br>T/E         | I        | XI | XI<br>XI<br>XI       | XI<br>XI<br>XI       | XI<br>XI<br>XI | 200/45<br>100               |      |      |                                       |
| BOA VISTA/Boa Vista Intl.                          | 07 PA1<br>25 NPA    | A/L<br>A/L<br>E<br>E      | I        |    | XI<br>XI<br>XI       | XI<br>XI<br>XI       | XI<br>XI<br>XI | 200/45<br>200               |      |      |                                       |
| BONSUCESSO                                         |                     | E/T                       |          |    | XI                   | XI                   |                | 200/45                      |      |      |                                       |
| BRAGANCA                                           |                     | T<br>E                    |          |    | XI<br>XI             | XI<br>XI             |                | 100/25<br>200/45            |      |      |                                       |
| BRASILIA/Brasilia Intl.                            | 11 PA1<br>29 PA1    | A/L<br>A/L<br>T<br>E<br>E | ID<br>ID | XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI<br>XI       | 200/45<br>200               |      |      |                                       |
| CAMPINAS/Viracopos                                 | 15 PA1<br>33 NPA    | A/L<br>A/L<br>T<br>E      | I        | XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI             | 200/45                      |      |      |                                       |
| CAMPO GRANDE/Campo Grande Intl.                    | 06 PA1<br>24 NPA    | A/L<br>A/L<br>T<br>E<br>E | ID       | XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI | 200/45<br>200               |      |      |                                       |
| CAMPOS                                             |                     | E                         |          |    |                      |                      | XI             | 120                         |      |      |                                       |
| CARAJÁS                                            |                     | E                         |          |    | XI                   | XI                   | XI             | 200/45<br>200               |      |      |                                       |
| CARAUARI                                           |                     | E                         |          |    |                      |                      | XI             | 120                         |      |      |                                       |
| CARAVELAS                                          |                     | E<br>E                    |          |    |                      | XI                   | XI             | 200/66<br>130               |      |      |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS   | L | DME      | VOR      | NDB | Coverage<br>Fr<br>Cobertura | GNSS |      | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-------|---|----------|----------|-----|-----------------------------|------|------|---------------------------------------|
|                                                    |                     |                           |       |   |          |          |     |                             | GBAS | SBAS |                                       |
| 1                                                  | 2                   | 3                         | 4     | 5 | 6        | 7        | 8   | 9                           | 10   | 11   | 12                                    |
| CAROLINA                                           |                     | E<br>E                    |       |   | X        | XI       | XI  | 130/45<br>130               |      |      |                                       |
| CAXIAS                                             |                     | T<br>E                    |       |   | XI<br>XI | XI<br>XI | XI  | 200                         |      |      |                                       |
| CONGONHAS                                          |                     | E                         |       |   | XI       | XI       |     | 200/45                      |      |      |                                       |
| CORUMBÁ/Corumbá Intl.                              | 09 PA1<br>27 NPA    | A/L                       | II* D |   | X        | X        | XI  |                             |      |      |                                       |
|                                                    |                     | A/L                       |       |   | X        | X        | XI  | 200/45                      |      |      |                                       |
|                                                    |                     | T                         |       |   | X        | X        | XI  |                             |      |      |                                       |
|                                                    |                     | E                         |       |   | X        | X        |     |                             |      |      |                                       |
|                                                    |                     | E                         |       |   |          |          | XI  | 100                         |      |      |                                       |
| CRUZEIRO DO SUL/Cruzeiro do Sul<br>Intl.           | 09 NPA<br>27 NPA    | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | E<br>E                    |       |   | XI<br>XI |          | XI  | 200/45<br>150               |      |      |                                       |
| CUIABÁ/Marechal Rondon                             | 17 PA1<br>35 NPA    | A/L                       | ID    |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | T                         |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | E                         |       |   | XI       | XI       |     | 200/45                      |      |      |                                       |
|                                                    |                     | E                         |       |   |          |          | XI  |                             |      |      |                                       |
| CURITIBA/Afonso Pena Intl.                         | 15 PA3<br>33 NPA    | A/L                       | III   |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | T                         |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | E                         |       |   | XI       | XI       |     | 200/45                      |      |      |                                       |
|                                                    |                     | E                         |       |   |          |          | XI  |                             |      |      |                                       |
| FLORIANÓPOLIS/ Hercílio Luz Intl.                  | 14 PA1<br>32 NPA    | A/L                       | I     |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | T                         |       |   | XI       | XI       |     |                             |      |      |                                       |
|                                                    |                     | E                         |       |   | XI       | XI       |     | 200/45                      |      |      |                                       |
|                                                    |                     | E                         |       |   |          |          | XI  | 150                         |      |      |                                       |
| FORTALEZA/ Pinto Martins                           | 13 NPA<br>31 NPA    | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | T                         |       |   | XI       | XI       |     |                             |      |      |                                       |
|                                                    |                     | E                         |       |   | XI       | XI       |     | 200/45                      |      |      |                                       |
|                                                    |                     | E                         |       |   |          |          | XI  |                             |      |      |                                       |
| FOZ DO IGUAÇU/Cataratas Intl.                      | 14 PA1<br>32 NPA    | A/L                       | I     |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | A/L                       |       |   | XI       | XI       | XI  |                             |      |      |                                       |
|                                                    |                     | T                         |       |   | XI       | XI       |     |                             |      |      |                                       |
|                                                    |                     | E                         |       |   | XI       | XI       |     | 200/45                      |      |      |                                       |
|                                                    |                     |                           |       |   |          |          |     |                             |      |      |                                       |
| GABRIEL                                            |                     | E<br>E                    |       |   | XI       | XI       |     | 200/45<br>200               |      |      |                                       |
| GUAJARÁ                                            |                     | E                         |       |   |          |          | XI  | 50                          |      |      |                                       |
| ILHEUS                                             |                     | E                         |       |   | X        | X        |     | 150/45                      |      | X    |                                       |
|                                                    |                     | E                         |       |   |          |          | XI  | 95                          |      | X    |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo  | Function<br>Fr<br>Funcion | ILS | L | DME                  | VOR                  | NDB            | Coverage<br>Fr<br>Cobertura | GNSS |      | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|----------------------|---------------------------|-----|---|----------------------|----------------------|----------------|-----------------------------|------|------|---------------------------------------|
|                                                    |                      |                           |     |   |                      |                      |                |                             | GBAS | SBAS |                                       |
| 1                                                  | 2                    | 3                         | 4   | 5 | 6                    | 7                    | 8              | 9                           | 10   | 11   | 12                                    |
| IMPERATRIZ                                         |                      | E                         |     |   | XI                   | XI                   |                | 200/45                      |      | X    |                                       |
| ITACOATIARA                                        |                      | E                         |     |   |                      |                      | XI             | 125                         |      | X    |                                       |
| JACAREACANGA                                       |                      | E<br>E                    |     |   | XI                   | XI                   | XI             | 135/45<br>75                |      | X    |                                       |
| LAGES                                              |                      | E                         |     |   |                      |                      | XI             | 120                         |      | X    |                                       |
| LAPA                                               |                      | E<br>E                    |     |   |                      | XI                   | XI             | 200/45<br>200               |      |      |                                       |
| LONDRINA                                           |                      | E                         |     |   | XI                   | XI                   |                | 200/45                      |      |      |                                       |
| LUZIANIA                                           |                      | T<br>T                    |     |   | X                    | X                    | XI             |                             |      |      |                                       |
| MACAE                                              |                      | E                         |     |   | XI                   | XI                   |                | 120/25                      |      |      |                                       |
| MACAPA/Macapa Intl.                                | 08 PA1<br>26 NPA     | A/L<br>A/L<br>E<br>E      | I   |   | XI<br>XI<br>XI       | XI<br>XI<br>XI       | XI<br>XI<br>XI | 90/25<br>50                 |      |      |                                       |
| MACEIO                                             |                      | E<br>E                    |     |   | XI                   | XI                   | XI             | 150/45<br>70                |      |      |                                       |
| MANAUS/Eduardo Gomes Intl.                         | 10 PA1<br>28 NPA     | A/L<br>A/L<br>T<br>E      | I   |   | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI | 200/45                      |      |      |                                       |
| MARICA                                             |                      | T<br>E                    |     |   | XI<br>XI             | XI<br>XI             |                | 230/45                      |      |      |                                       |
| MONTES CLAROS                                      |                      | E                         |     |   |                      |                      | XI             | 100                         |      |      |                                       |
| MOSSORO                                            |                      | E<br>E                    |     |   | XI                   | XI                   | XI             | 200/45<br>90                |      |      |                                       |
| MOZ                                                |                      | E                         |     |   |                      |                      | XI             | 90                          |      |      |                                       |
| NANUQUE                                            |                      | E                         |     |   | XI                   | XI                   |                | 200/45                      |      |      |                                       |
| NATAL/Augusto Severo Intl.                         | 16 L PA1<br>34 R NPA | A/L<br>A/L<br>T<br>E<br>E | I   |   | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI | 200/45                      |      |      |                                       |
| PALMAS                                             |                      | E<br>E                    |     |   | XI                   | XI                   | XI             | 200/45<br>150               |      |      |                                       |
| PARANAGUA                                          |                      | E                         |     |   |                      |                      | XI             | 70                          |      |      |                                       |
| PARNAIBA                                           |                      | E                         |     |   |                      |                      | XI             | 30                          |      |      |                                       |

| Station/Territory<br>French<br>Estacion/Territorio  | Rwy<br>Type<br>Tipo                        | Function<br>Fr<br>Funcion | ILS              | L                  | DME                  | VOR                | NDB            | Coverage<br>Fr<br>Cobertura | GNSS |      | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------|--------------------------------------------|---------------------------|------------------|--------------------|----------------------|--------------------|----------------|-----------------------------|------|------|---------------------------------------|
|                                                     |                                            |                           |                  |                    |                      |                    |                |                             | GBAS | SBAS |                                       |
| 1                                                   | 2                                          | 3                         | 4                | 5                  | 6                    | 7                  | 8              | 9                           | 10   | 11   | 12                                    |
| PAULO AFONSO                                        |                                            | E<br>E                    |                  |                    |                      | XI                 | XI             | 200/45<br>120               |      |      |                                       |
| PELOTAS                                             |                                            | E<br>E                    |                  |                    |                      | XI                 | XI             | 130/45<br>130               |      |      |                                       |
| PETROLINA                                           |                                            | E<br>E                    |                  |                    | XI                   | XI                 | XI             | 200/45<br>150               |      |      |                                       |
| PIRAI                                               |                                            | E<br>E                    |                  |                    | XI                   | XI                 | XI             | 200/45<br>150               |      |      |                                       |
| POCOS                                               |                                            | E                         |                  |                    |                      |                    | XI             | 90                          |      |      |                                       |
| PONTA PORA/Ponta Pora Intl.                         | 03 NPA<br>21 NPA                           | A/L<br>A/L<br>E           |                  |                    |                      |                    | XI<br>XI<br>XI | 70                          |      |      |                                       |
| PORTO ALEGRE/Salgado Filho Intl.                    | 11 PA1<br>29 NPA                           | A/L<br>A/L<br>T<br>E<br>E | I                | XI<br>XI           | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI     | XI<br>XI       | 160/45<br>160               |      |      |                                       |
| PORTO                                               |                                            | T<br>E                    |                  |                    | XI<br>XI             | XI<br>XI           |                | 100<br>200/45               |      |      |                                       |
| PORTO VELHO                                         |                                            | E                         |                  |                    | XI                   | XI                 |                | 200/45                      |      |      |                                       |
| RECIFE /Guararapes                                  | 18 PA1<br>36 NPA                           | A/L<br>A/L<br>T<br>E<br>E | I                |                    | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI     | XI<br>XI<br>XI | 200/45<br>200               |      |      |                                       |
| REDE                                                |                                            | T<br>E                    |                  |                    | XI<br>XI             | XI<br>XI           |                | 200/45                      |      |      |                                       |
| RIO BRANCO                                          |                                            | E<br>E                    |                  |                    | XI                   | XI                 | XI             | 200/45<br>100               |      |      |                                       |
| RIO DE JANEIRO/Galeão Antônio<br>Carlos Jobim Intl. | 10 PA2<br><br>28 PA1<br>15 PA1<br>33 NINST | A/L<br><br>A/L<br>A/L     | II<br><br>I<br>I | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI   | XI<br><br>XI<br>XI |                |                             |      |      |                                       |
| RODONIA                                             |                                            | E                         |                  |                    |                      |                    | XI             | 50                          |      |      |                                       |
| SALVADOR/Deputado Luis Eduardo<br>Magalhaes         | 10 PA1<br><br>28 NPA                       | A/L<br><br>A/L<br>T<br>E  | I                | XI                 | XI<br><br>XI<br>XI   | XI<br><br>XI<br>XI | XI<br><br>XI   | 200                         |      |      |                                       |
| SANTA CRUZ                                          |                                            | T<br>E                    |                  |                    | XI<br>XI             | XI<br>XI           |                | 125/45                      |      |      |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo                      | Function<br>Fr<br>Funcion | ILS               | L                    | DME                  | VOR                  | NDB            | Coverage<br>Fr<br>Cobertura | GNSS |                  | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|------------------------------------------|---------------------------|-------------------|----------------------|----------------------|----------------------|----------------|-----------------------------|------|------------------|---------------------------------------|
|                                                    |                                          |                           |                   |                      |                      |                      |                |                             | GBAS | SBAS             |                                       |
| 1                                                  | 2                                        | 3                         | 4                 | 5                    | 6                    | 7                    | 8              | 9                           | 10   | 11               | 12                                    |
| SANTANA                                            |                                          | T<br>E                    |                   |                      | XI<br>XI             | XI<br>XI             |                | 100/45                      |      |                  |                                       |
| SANTAREM/Santarem Intl.                            | 10 NPA<br>28 NPA                         | A/L<br>A/L<br>T<br>E      |                   |                      | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI             | 200/45                      |      |                  |                                       |
| SAO LUIS/ Marechal Cunha Machado                   | 06 PA1<br>24 NPA                         | A/L<br>A/L<br>T/E         | I                 | XI                   | XI<br>XI<br>XI       | XI<br>XI<br>XI       | XI             | 150/30                      |      |                  |                                       |
| SAO PAULO/Guarulhos Intl.                          | 09R PA2<br>27L PA1<br>09L PA1<br>27R PA1 | A/L<br>A/L<br>A/L<br>A/L  | II<br>I<br>I<br>I | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI |                |                             |      |                  |                                       |
| SOROCABA                                           |                                          | T<br>E                    |                   |                      | XI<br>XI             | XI<br>XI             |                | 200/45                      |      |                  |                                       |
| TABATINGA/Tabatinga Intl.                          | 12 NPA<br>30 NPA                         | A/L<br>A/L<br>T           |                   |                      |                      |                      | XI<br>XI<br>XI | 200                         |      |                  |                                       |
| TEFE                                               |                                          | E<br>E                    |                   |                      | XI                   | XI                   | XI             | 200/45<br>50                |      |                  |                                       |
| TRES MARIAS                                        |                                          | E                         |                   |                      | XI                   | XI                   |                | 115/20                      |      |                  |                                       |
| UBERABA                                            |                                          | E                         |                   |                      |                      |                      | XI             | 130                         |      |                  |                                       |
| URUBUPUNGA                                         |                                          | E<br>E                    |                   |                      | XI                   | XI                   | XI             | 200/45<br>100               |      |                  |                                       |
| URUBURETAMA                                        |                                          | E                         |                   |                      |                      |                      | XI             | 80                          |      |                  |                                       |
| URUGUAIANA/ Rubem Berta Intl.                      | 09 NPA<br>27 NPA                         | A/L<br>A/L<br>T           |                   |                      |                      |                      | XI<br>XI<br>XI | 80                          |      |                  |                                       |
| VITORIA                                            |                                          | E                         |                   |                      | XI                   | XI                   |                | 200/45                      |      |                  |                                       |
| <b>CAYMAN ISLANDS<br/>(United Kingdom)</b>         |                                          |                           |                   |                      |                      |                      |                |                             |      |                  |                                       |
| CAYMAN BRAC/Gerrard Smith Intl.                    | 09 NPA                                   | A/L                       |                   |                      |                      |                      | XI             | 200/45                      |      | X                |                                       |
| GEORGETOWN/Owen Roberts Intl.                      | 08 PA1<br>26 NPA                         | A/L<br>A/L<br>E<br>E      |                   |                      | XI<br>XI             | XI<br>XI             | XI<br>XI       | 200/45<br>350               | X    | X<br>X<br>X<br>X |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo  | Function<br>Fr<br>Funcion     | ILS     | L  | DME                | VOR                | NDB          | Coverage<br>Fr<br>Cobertura | GNSS       |                      | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|----------------------|-------------------------------|---------|----|--------------------|--------------------|--------------|-----------------------------|------------|----------------------|---------------------------------------|
|                                                    |                      |                               |         |    |                    |                    |              |                             | GBAS       | SBAS                 |                                       |
| 1                                                  | 2                    | 3                             | 4       | 5  | 6                  | 7                  | 8            | 9                           | 10         | 11                   | 12                                    |
| <b>CHILE</b>                                       |                      |                               |         |    |                    |                    |              |                             |            |                      |                                       |
| ANTOFAGASTA/Cerro Moreno                           | 18 NPA<br>36 NPA     | A/L<br>A/L<br>T/E             |         | XI | XI<br><br>XI       | XI<br><br>XI       |              | 100/25                      |            | X<br>X<br>X          |                                       |
| ARICA/Chaculluta                                   | 02 NPA<br>20 NPA     | A/L<br>A/L<br>T<br>E<br>E     |         | XI | XI<br><br>XI<br>XI | XI<br><br>XI<br>X  | XI           | 185/45                      |            | X<br>X<br>X<br>X     |                                       |
| BALMACEDA                                          |                      | E<br>E                        |         |    | XI                 | XI                 | XI           | 200/45<br>200               |            | X<br>X               |                                       |
| CALAMA                                             |                      | E                             |         |    | XI                 | XI                 | X            | 70/250<br>160               |            | X                    |                                       |
| CALDERA                                            |                      | E<br>E                        |         |    | XI                 | XI                 | X            | 200/45<br>350               |            | X<br>X               |                                       |
| CHAITEN                                            |                      | E                             |         |    |                    |                    | XI           | 100                         |            | X                    |                                       |
| CHILLAN                                            |                      | E<br>E                        |         |    | XI                 | XI                 | XI           | 160/45                      |            | X                    |                                       |
| CONCEPCION/Carriel Sur                             | 02 PA1<br>20 NPA     | A/L<br><br>T<br>E<br>E        | I       | XI | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI |              | 95/45                       | X          | X<br>X<br>X<br>X     |                                       |
| CURICO                                             |                      | E<br>E                        |         |    | XI                 | XI                 | XI           | 60/45                       |            | X<br>X               |                                       |
| ISLA REY JORGE                                     |                      | E<br>E                        |         |    | XI                 | XI                 | XI           | 200/45<br>200               |            | X<br>X               |                                       |
| IQUIQUE/Gral. Diego Aracena                        | 18 NPA               | A/L<br>E                      |         | XI | XI                 | XI                 | XI           |                             |            | X<br>X               |                                       |
| PUERTO AGUIRRE                                     |                      | E<br>E                        |         |    | XI                 | XI                 | XI           | 130/25                      |            | X<br>X               |                                       |
| PUERTO MONTT/EI Tepual                             | 17 NPA<br>35 PA1     | A/L<br>A/L<br>T<br>E<br>E     | II*     | XI | XI<br>XI<br>XI     | XI<br>XI<br>XI     | XI           | 155/45                      | X<br>X     | X<br>X<br>X          |                                       |
| PUERTO NATALES                                     |                      | E                             |         |    | XI                 | XI                 |              | 100/25                      |            | X                    |                                       |
| PUNTA ARENAS/Presidente Cabo<br>Ibañez del Campo   | 07 NPA<br><br>25 PA1 | A/L<br><br>A/L<br>T<br>E<br>E | I D (I) | XI | XI<br>XI<br>XI     | XI<br>XI<br>XI     | XI<br><br>XI | 200/45<br>350               | X<br><br>X | X<br><br>X<br>X<br>X |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo                          | Function<br>Fr<br>Funcion | ILS          | L        | DME                  | VOR                  | NDB                  | Coverage<br>Fr<br>Cobertura    | GNSS   |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|----------------------------------------------|---------------------------|--------------|----------|----------------------|----------------------|----------------------|--------------------------------|--------|-------------|---------------------------------------|
|                                                    |                                              |                           |              |          |                      |                      |                      |                                | GBAS   | SBAS        |                                       |
| 1                                                  | 2                                            | 3                         | 4            | 5        | 6                    | 7                    | 8                    | 9                              | 10     | 11          | 12                                    |
| QUINTERO                                           |                                              | E                         |              |          | XI                   | XI                   |                      | 85/45                          |        | X           |                                       |
| SANTIAGO/Arturo Merino Benitez                     | 17 PA3<br>35 NPA                             | A/L<br>A/L<br>E           | III          |          | XI                   | XI                   |                      |                                | X<br>X |             |                                       |
| SANTO DOMINGO                                      |                                              | E<br>E                    |              |          | X                    | XI                   | XI                   | 200/45                         |        | X<br>X      |                                       |
| TABON                                              |                                              | E                         |              |          |                      |                      | X                    | 90                             |        | X           |                                       |
| TEMUCO/Manquehue                                   | 06 NPA<br>24 NPA                             | A/L<br>A/L<br>E           |              |          | XI<br>XI<br>XI       | XI<br>XI<br>XI       |                      | 90/45                          |        | X<br>X<br>X |                                       |
| TONGOY                                             |                                              | E<br>E                    |              |          | XI                   | XI                   | XI                   | 200/45<br>350                  |        | X<br>X      |                                       |
| VALDIVIA                                           |                                              | E                         |              |          | XI                   | XI                   |                      | 95/45                          |        | X           |                                       |
| <b>COLOMBIA</b>                                    |                                              |                           |              |          |                      |                      |                      |                                |        |             |                                       |
| ARAUCA                                             |                                              | E                         |              |          | XI                   | XI                   |                      | 200/45                         |        | X           |                                       |
| ABEJORRAL                                          |                                              | E                         |              |          |                      |                      | XI                   | 150                            |        | X           |                                       |
| AMBALEMA                                           |                                              | E                         |              |          |                      |                      | XI                   | 150                            |        | X           |                                       |
| BARRANCA BERMEJA                                   |                                              | E<br>E                    |              |          | XI                   | XI                   | XI                   | 200/45<br>150                  |        | X<br>X      |                                       |
| BARRANQUILLA/Ernesto Cortisoz                      | 04 PA1<br>22 NPA                             | A/L<br>A/L<br>T/E<br>E    | I (I)        | XI       | XI<br>XI<br>XI       | XI<br>XI<br>XI       | XI                   | 200/45                         | X      | X           |                                       |
| SANTAFE DE BOGOTA/Eldorado                         | 13 RPA2<br>31 LNINST<br>13 LPA2<br>31 RNINST | A/L<br>A/L<br>T<br>E      | II (I)<br>II | XI<br>XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | 200/45<br>180<br>200/45<br>180 | X<br>X | X<br>X      |                                       |
| BUCARAMANGA                                        |                                              | E<br>E                    |              |          | XI                   | XI                   | XI                   | 200/45<br>150                  |        | X           |                                       |
| BUENAVENTURA                                       |                                              | E                         |              |          | XI                   | XI                   | XI                   | 200/45<br>150                  |        | X           |                                       |
| BUVIS                                              |                                              | E                         |              |          | XI                   | XI                   |                      | 200/45                         |        | X           |                                       |
| CALI/Alfonso Bonilla Aragón                        | 01 PA1<br>19 NPA                             | A/L<br>A/L<br>T/E         | I (I)        | XI       | XI<br>XI<br>XI       | XI<br>XI<br>XI       |                      | 200/45<br>100                  | X      | X<br>X      |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo                        | Function<br>Fr<br>Funcion | ILS   | L  | DME            | VOR            | NDB            | Coverage<br>Fr<br>Cobertura | GNSS |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|--------------------------------------------|---------------------------|-------|----|----------------|----------------|----------------|-----------------------------|------|-------------|---------------------------------------|
|                                                    |                                            |                           |       |    |                |                |                |                             | GBAS | SBAS        |                                       |
| 1                                                  | 2                                          | 3                         | 4     | 5  | 6              | 7              | 8              | 9                           | 10   | 11          | 12                                    |
| CARTAGENA/Rafael Nuñez                             | 36 NPA<br>18 NINST                         | A/L<br><br>T/E            |       |    | XI<br><br>XI   | XI<br><br>XI   | XI             | 200/45                      |      |             |                                       |
| CUCUTA/Camilo Daza                                 | 15 PA1<br>33 NINST<br>02 NINST<br>20 NINST | A/L<br><br>T/E            | I (I) | XI | XI<br><br>XI   | XI<br><br>XI   |                | 200/45                      | X    | X           |                                       |
| EL BANCO                                           |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      | X           |                                       |
| GIRARDOT                                           |                                            | E                         |       |    | XI             | XI             |                | 240/45                      |      | X           |                                       |
| LA MINA                                            |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      | X           |                                       |
| LETICIA/Alfredo Vasquez Cobo                       | 02 NPA<br>20 NPA                           | A/L<br>A/L<br>T/E<br>E    |       |    | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br>XI<br>XI | 200/45<br>300               |      | X<br>X<br>X |                                       |
| LOS CEDROS                                         |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      | X           |                                       |
| MAGANGUE                                           |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      | X           |                                       |
| MARIQUITA                                          |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      |             |                                       |
| MERCADERES                                         |                                            | E<br>E                    |       |    | XI             | XI             | XI             | 200/45<br>150               |      | X<br>X      |                                       |
| MITU                                               |                                            | E<br>E                    |       |    | XI             | XI             | XI             | 200/45<br>200               |      | X<br>X      |                                       |
| MONTERIA                                           |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      | X           |                                       |
| OTU                                                |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      |             |                                       |
| PEREIRA                                            |                                            | E<br>E                    |       |    | XI             | XI             | XI             | 200/45<br>100               |      | X<br>X      |                                       |
| PUERTO LEGUIZAMO                                   |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      | X           |                                       |
| RIO HACHA                                          |                                            | E                         |       |    |                |                | XI             | 150                         |      | X           |                                       |
| RIO NEGRO/Jose Maria Cordova                       | 36 PA2<br>18 NINST                         | A/L<br><br>T/E            | II    | XI | XI<br><br>XI   | XI<br><br>XI   |                | 200/45                      | X    | X<br>X      |                                       |
| SAN ANDRES /Gustavo Rojas Pinilla                  | 06 NPA<br>24 NINST                         | A/L<br><br>T/E<br>E       |       |    | XI<br><br>XI   | XI<br><br>XI   | XI<br>XI       | 200/45<br>200               |      | X<br>X      |                                       |
| SAN JOSE DEL GUAVIARE                              |                                            | E<br>E                    |       |    | XI             | XI             | XI             | 200/45<br>160               |      | X<br>X      |                                       |
| SANTA MARTHA                                       |                                            | E                         |       |    | XI             | XI             |                | 200/45                      |      | X           |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS           | L   | DME               | VOR               | NDB           | Coverage<br>Fr<br>Cobertura | GNSS   |      | Remarks<br>Remarques<br>Observaciones |        |  |
|----------------------------------------------------|---------------------|---------------------------|---------------|-----|-------------------|-------------------|---------------|-----------------------------|--------|------|---------------------------------------|--------|--|
|                                                    |                     |                           |               |     |                   |                   |               |                             | GBAS   | SBAS |                                       |        |  |
| 1                                                  | 2                   | 3                         | 4             | 5   | 6                 | 7                 | 8             | 9                           | 10     | 11   | 12                                    |        |  |
| TECHO                                              |                     | E                         |               |     |                   |                   | XI            | 150                         |        | X    |                                       |        |  |
| TULUA                                              |                     | E                         |               |     |                   |                   | XI            | XI                          | 200/45 |      | X                                     |        |  |
| TUMACO                                             |                     | E                         |               |     |                   | XI                | XI            |                             | 200/45 |      | X                                     |        |  |
|                                                    |                     | E                         |               |     |                   |                   |               | XI                          | 150    |      | X                                     |        |  |
| VILLAVICENCIO                                      |                     | E                         |               |     |                   | XI                | XI            |                             | 200/45 |      | X                                     |        |  |
|                                                    |                     | E                         |               |     |                   |                   |               | XI                          | 150    |      | X                                     |        |  |
| ZIPAQUIRA                                          |                     | E                         |               |     |                   |                   |               | XI                          | 150    |      | X                                     |        |  |
| COSTA RICA                                         |                     |                           |               |     |                   |                   |               |                             |        |      |                                       |        |  |
| ALAJUELA/Juan Santamaria Intl.                     |                     | 07 PA1                    | A/L<br>T<br>E | II* | X                 | XI<br>XI<br>X     | XI<br>XI<br>X |                             |        | X    |                                       | X<br>X |  |
| COTO                                               |                     |                           | E             |     |                   |                   |               | XI                          | 100    |      |                                       | X      |  |
| CHILES                                             |                     | E                         |               |     |                   |                   | XI            | 100                         |        |      | X                                     |        |  |
| HORCONES                                           |                     | E                         |               |     |                   |                   | XI            | 100                         |        |      | X                                     |        |  |
| LIBERIA/Daniel Oduber Intl.                        | 07 PA1<br>25 NPA    | A/L<br>A/L<br>T<br>E      | II*           |     | XI<br><br>XI<br>X | XI<br><br>XI<br>X |               |                             | X<br>X |      | X<br>X                                |        |  |
| LIMON/Limón Intl.                                  | NINST               | T<br>E                    |               |     | XI<br>XI          | XI<br>XI          |               |                             |        |      | X<br>X                                |        |  |
| PARRITA                                            |                     | E                         |               |     |                   |                   | XI            | 100                         |        |      | X                                     |        |  |
| PAVAS/Tobias Bolaños Intl.                         | NINST               |                           |               |     |                   |                   |               |                             |        |      | X                                     |        |  |
| CUBA                                               |                     |                           |               |     |                   |                   |               |                             |        |      |                                       |        |  |
| CAMAGUEY/Ignacio Agramonte Intl.                   | 07 PA1<br>25 NPA    | A/L<br>A/L<br>T           | II*           | XI  | XI<br><br>XI      | XI<br><br>XI      |               |                             | X<br>X |      | X                                     |        |  |
| CAYABO                                             |                     | E                         |               |     |                   |                   | XI            | 100                         |        |      | X                                     |        |  |
| CAYO LARGO DEL SUR/Viño Acuña Intl.                | 12 NPA              | A/L<br><br>E<br>E         |               |     | XI<br><br>XI      | XI<br><br>XI      |               |                             |        |      | X<br>X<br>X                           |        |  |
| CIEGO DE AVILA/Maximo Gomez Intl.                  | 07 NPA              | A/L/T/E                   |               |     | XI                | XI                | XI            | 190/45                      |        |      | X                                     |        |  |
| HABANA/Jose Martí Intl.                            | 06 PA1<br>24 NPA    | A/L<br>A/L<br>T           | II*           | XI  | XI<br><br>XI      | XI<br><br>XI      |               |                             | X<br>X |      | X                                     |        |  |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS       | L  | DME      | VOR            | NDB    | Coverage<br>Fr<br>Cobertura | GNSS   |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-----------|----|----------|----------------|--------|-----------------------------|--------|-------------|---------------------------------------|
|                                                    |                     |                           |           |    |          |                |        |                             | GBAS   | SBAS        |                                       |
| 1                                                  | 2                   | 3                         | 4         | 5  | 6        | 7              | 8      | 9                           | 10     | 11          | 12                                    |
| HOLGUIN/Frank Pais Intl.                           | 05 NPA              | A/L                       |           |    | X        | XI             | XI     |                             |        | X           |                                       |
| MANZANILLO                                         |                     | E                         |           |    | XI       | XI             |        | 85/45                       |        | X           |                                       |
| NUEVA GERONA                                       |                     | E                         |           |    |          |                | XI     | 170                         |        |             |                                       |
| NUEVAS                                             |                     | E                         |           |    | X        | XI             |        | 190/45                      |        | X           |                                       |
| SANTIAGO DE CUBA/Antonio Maceo Intl.               | 09 NPA              | A/L                       |           | XI | XI       | XI             |        |                             |        | X           |                                       |
|                                                    | 27 NPA              | A/L<br>T<br>E             |           |    | XI       | XI             | XI     | 170/45<br>70                |        | X<br>X<br>X |                                       |
| VARADERO/Juan Gualberto Gomez Intl.                | 06 PA1              | A/L                       | I         | X  | XI       | XI             |        |                             | X      |             |                                       |
|                                                    | 24 NPA              | T<br>E                    |           |    | XI<br>XI | XI<br>XI       |        | 160/45                      |        | X<br>X<br>X |                                       |
| <b>DOMINICA</b>                                    |                     |                           |           |    |          |                |        |                             |        |             |                                       |
| MELVILLE HALL/Dominica                             | NINST               |                           |           |    |          |                |        |                             |        | X           |                                       |
| ROSEAU/Canefield                                   | NINST               |                           |           |    |          |                |        |                             |        | X           |                                       |
| <b>DOMINICAN REPUBLIC</b>                          |                     |                           |           |    |          |                |        |                             |        |             |                                       |
| BARAHONA/María Montés Intl.                        | 12 NPA              | A/L                       |           |    | XI       | XI             | XI     |                             |        | X           |                                       |
| CABO ROJO                                          |                     | E<br>E                    |           |    | XI       | XI             |        | 200/45<br>210               |        | X<br>X      |                                       |
| HERRERA/Herrera Intl.                              | 01 NPA<br>19 NPA    | A/L<br>A/L                |           |    |          | XI             | XI     |                             |        | X<br>X      |                                       |
| LA ROMANA/La Romana Intl.                          | NINST               |                           |           |    |          |                | XI     |                             |        | X           |                                       |
| PUERTO PLATA/Gregorio Luperon Intl.                | 08 NPA              | A/L                       |           |    |          |                |        |                             | X      |             |                                       |
|                                                    | 26 NPA              | A/L<br>T<br>E             |           |    | XI       | XI<br>XI<br>XI | XI     | 65/45                       | X      | X<br>X      |                                       |
| PUNTA CANA/Punta Cana Intl.                        | 09 NPA              | A/L                       |           |    | X        | XI             | XI     |                             |        | X           |                                       |
| PUNTA CAUCEDO                                      |                     | T<br>E<br>E               |           |    | XI<br>XI | XI<br>XI       | X<br>X | 200/45<br>365               |        | X<br>X<br>X |                                       |
| SANTIAGO/Cibao Intl.                               | NINST               |                           |           |    |          |                |        |                             |        | X           |                                       |
| SANTO DOMINGO/De las Américas Intl.                | 17 PA1<br>35 NPA    | A/L                       | II* D (I) |    | XI       | XI             | XI     |                             | X<br>X |             |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS   | L  | DME            | VOR            | NDB     | Coverage<br>Fr<br>Cobertura | GNSS   |        | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-------|----|----------------|----------------|---------|-----------------------------|--------|--------|---------------------------------------|
|                                                    |                     |                           |       |    |                |                |         |                             | GBAS   | SBAS   |                                       |
| 1                                                  | 2                   | 3                         | 4     | 5  | 6              | 7              | 8       | 9                           | 10     | 11     | 12                                    |
| <b>ECUADOR</b>                                     |                     |                           |       |    |                |                |         |                             |        |        |                                       |
| AZCAZUBI                                           |                     | T                         |       |    |                |                | XI      | 40                          |        | X      |                                       |
| CHONGON                                            |                     | T                         |       |    |                |                | XI      | 40                          |        | X      |                                       |
| CONDORCOCHA                                        |                     | T<br>E                    |       |    | XI<br>XI       | XI<br>XI       |         | 200/45                      |        | X<br>X |                                       |
| CUENCA                                             |                     | E<br>E                    |       |    | XI             | XI             | XI      | 200/45<br>50                |        | X<br>X |                                       |
| ESMERALDAS                                         |                     | E<br>E                    |       |    | XI             | XI             | XI      | 200/45<br>350               |        | X<br>X |                                       |
| GUAYAQUIL/Simon Bolivar Intl                       | 03 NPA<br>21 PA1    | A/L<br>A/L<br>T<br>E      | II*   | XI | XI<br>XI<br>XI | XI<br>XI<br>XI |         |                             | X<br>X |        | X<br>X                                |
| LATACUNGA/Cotopaxi Intl                            | 18 PA1              | A/L                       | I     |    | XI             | XI             | XI      | 30                          | X      |        |                                       |
| MACHALA                                            |                     | E                         |       |    | XI             | XI             |         | 140/25                      |        | X      |                                       |
| MANTA/Eloy Alfaro Intl                             | 23 PA1              | A/L<br>T                  | I D   |    | XI<br>XI       | XI<br>XI       |         | 60/25                       | X      |        |                                       |
| PALMA                                              |                     | T                         |       |    |                |                | XI      | 40                          |        | X      |                                       |
| QUITO/Mariscal Sucre Intl                          | 17 NPA<br>35 PA1    | A/L<br>A/L                | II*   | XI | XI<br>XI       | XI             |         |                             | X<br>X |        |                                       |
| SALINAS                                            |                     | E                         |       |    | XI             | XI             |         | 100/250                     |        |        |                                       |
| <b>EL SALVADOR</b>                                 |                     |                           |       |    |                |                |         |                             |        |        |                                       |
| SAN SALVADOR/EI Salvador Intl.                     | 07 PA1<br>25 NPA    | A/L<br>T<br>E<br>E        | II*   | X  | XI<br>XI<br>XI | XI<br>XI<br>XI |         |                             | X<br>X |        | X<br>X<br>X                           |
| SAN SALVADOR/Ilopango Intl.                        | 15 NPA              | A/L<br>T<br>E             |       | XI | XI<br>XI       | XI<br>XI       | XI<br>X |                             | X      |        | X<br>X                                |
| <b>FRENCH ANTILLES<br/>(France)</b>                |                     |                           |       |    |                |                |         |                             |        |        |                                       |
| FORT-DE-FRANCE/Le Lamentin,<br>Martinique          | 09 PA1<br>27 NPA    | A/L<br>A/L<br>T<br>E      | II* D |    | XI<br>XI<br>XI | XI<br>XI<br>XI |         |                             | X<br>X |        | X<br>X                                |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo  | Function<br>Fr<br>Funcion | ILS       | L | DME                | VOR                | NDB                  | Coverage<br>Fr<br>Cobertura | GNSS       |                     | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|----------------------|---------------------------|-----------|---|--------------------|--------------------|----------------------|-----------------------------|------------|---------------------|---------------------------------------|
|                                                    |                      |                           |           |   |                    |                    |                      |                             | GBAS       | SBAS                |                                       |
| 1                                                  | 2                    | 3                         | 4         | 5 | 6                  | 7                  | 8                    | 9                           | 10         | 11                  | 12                                    |
| POINTE-A-PITRE/Le Raizet,<br>Guadeloupe            | 11 PA1<br><br>29 NPA | A/L<br><br>T<br>E<br>E    | II* D     |   | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI | <br><br>XI<br>XI     | <br><br>200/45<br>250       | X<br><br>X | <br><br>X<br>X<br>X |                                       |
| SAINT-BARTHELEMY/<br>Saint-Barthelemy, Guadeloupe  | NINST                |                           |           |   |                    |                    |                      |                             |            | X                   |                                       |
| SAINT-MARTIN/Grand Case,<br>Guadeloupe             | NINST                |                           |           |   |                    |                    |                      |                             |            | X                   |                                       |
| <b>FRENCH GUIANA<br/>(France)</b>                  |                      |                           |           |   |                    |                    |                      |                             |            |                     |                                       |
| CAYENNE/Rochambeau                                 | 08 PA1<br>26 NPA     | A/L<br>A/L<br>E<br>E      | II* D (I) |   | XI<br>XI<br>XI     | XI<br>XI<br>XI     | XI<br><br>XI         | <br><br>200/45<br>300       | X<br>X     | <br><br>X<br>X      |                                       |
| <b>GRENADA</b>                                     |                      |                           |           |   |                    |                    |                      |                             |            |                     |                                       |
| CARRIACOU/Lauriston Intl.                          | NINST                |                           |           |   |                    |                    |                      |                             |            | X                   |                                       |
| SAINT GEORGES/Point Salines                        | 10 PA1<br>28 NPA     | A/L<br><br>T<br>E         | II*       |   | XI                 | XI<br><br>XI<br>XI | XI<br><br><br>200/45 | <br><br>200/45              | X<br>X     | <br><br>X<br>X      |                                       |
| <b>GUATEMALA</b>                                   |                      |                           |           |   |                    |                    |                      |                             |            |                     |                                       |
| CHINAUTLA                                          |                      | T<br>E                    |           |   | X<br>X             | X<br>X             |                      | 100/45                      |            | X<br>X              |                                       |
| FLORES/Flores Intl.                                | 10 PA1               | A/L<br>E                  | I D       |   | XI<br>XI           | XI<br>XI           | X                    | 75/45                       | X          | X                   |                                       |
| GUATEMALA/La Aurora                                | 01 NPA<br>19 PA1     | A/L<br>A/L<br>T<br>E<br>E | II* D     | X | XI                 | XI<br>XI<br>XI     | XI<br><br>XI         | 110/45<br>200               | X<br>X     | <br><br>X<br>X<br>X |                                       |
| IZTAPA                                             |                      | E                         |           |   |                    |                    | X                    | 100                         |            | X                   |                                       |
| PUERTO BARRIOS/Puerto Barrios                      | NINST                | E                         |           |   |                    |                    | XI                   | 70                          |            | X<br>X              |                                       |
| RABINAL                                            |                      | E                         |           |   |                    |                    | X                    | 200                         |            | X                   |                                       |
| SAN JOSE/San Jose                                  | 15 NPA               | A/L<br>T<br>E             |           |   | XI<br>XI<br>XI     | XI<br>XI<br>XI     |                      |                             |            | X<br><br>X          |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS   | L | DME            | VOR            | NDB           | Coverage<br>Fr<br>Cobertura | GNSS   |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-------|---|----------------|----------------|---------------|-----------------------------|--------|-------------|---------------------------------------|
|                                                    |                     |                           |       |   |                |                |               |                             | GBAS   | SBAS        |                                       |
| 1                                                  | 2                   | 3                         | 4     | 5 | 6              | 7              | 8             | 9                           | 10     | 11          | 12                                    |
| <b>GUYANA</b>                                      |                     |                           |       |   |                |                |               |                             |        |             |                                       |
| TIMEHRI/Cheddi Japan Intl.                         | 06 PA1              | A/L<br>T<br>E<br>E        | II*   |   | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br>XI<br>X | 200/45<br>300               | X      | X<br>X<br>X |                                       |
| KATA                                               |                     | T<br>E                    |       |   |                |                | X<br>X        | 50                          |        | X<br>X      |                                       |
| <b>HAITI</b>                                       |                     |                           |       |   |                |                |               |                             |        |             |                                       |
| CAP HAITIEN/Cap. Haitien Intl.                     | NINST               |                           |       |   | XI             | XI             |               |                             |        | X           |                                       |
| PORT-AU-PRINCE/Port-au-Prince Intl.                | 09 PA1<br>27 NPA    | A/L<br>A/L<br>T           | II* D |   | XI<br>XI       | XI<br>XI       |               |                             | X<br>X | X           |                                       |
| OBLEON                                             |                     | E                         |       |   | XI             | XI             |               | 200/45                      |        | X           |                                       |
| <b>HONDURAS</b>                                    |                     |                           |       |   |                |                |               |                             |        |             |                                       |
| COPAN RUINAS                                       |                     | E                         |       |   |                |                | X             | 55                          |        | X           |                                       |
| LA CEIBA/Golosón Intl.                             | 06 NPA              | A/L<br>E<br>E             |       |   | XI<br>XI       | XI<br>XI       | XI<br>XI      | 200/45<br>110               | X      | X           |                                       |
| ROATAN                                             |                     | T<br>E                    |       |   | XI<br>XI       | XI             | XI            | 60<br>180/25                | X      | X           |                                       |
| SAN PEDRO SULA/La Mesa Intl.                       | 03 NPA<br>21 PA1    | A/L<br>A/L<br>T<br>E<br>E | I D   |   | XI             | XI<br>XI<br>XI | XI            | 200/45<br>300               | X<br>X | X<br>X      |                                       |
| TEGUCIGALPA/Toncontín Intl.                        | 01 PA1<br>19 NPA    | A/L<br>A/L<br>T<br>E<br>E | I     |   | X<br>XI<br>XI  | X<br>XI<br>XI  | XI<br>XI      | 300                         | X<br>X | X<br>X      |                                       |
| <b>JAMAICA</b>                                     |                     |                           |       |   |                |                |               |                             |        |             |                                       |
| KINGSTON/Norman Manley Intl.                       | 12 PA1<br>30 NPA    | A/L<br>T<br>E<br>E        | II* D |   | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br>XI      | 200/45<br>400               | X<br>X | X<br>X<br>X |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo  | Function<br>Fr<br>Funcion | ILS        | L          | DME                | VOR                | NDB                | Coverage<br>Fr<br>Cobertura | GNSS   |                     | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|----------------------|---------------------------|------------|------------|--------------------|--------------------|--------------------|-----------------------------|--------|---------------------|---------------------------------------|
|                                                    |                      |                           |            |            |                    |                    |                    |                             | GBAS   | SBAS                |                                       |
| 1                                                  | 2                    | 3                         | 4          | 5          | 6                  | 7                  | 8                  | 9                           | 10     | 11                  | 12                                    |
| MONTEGO BAY/Sangster Intl.                         | 07 PA1<br>25 NPA     | A/L<br><br>T<br>E<br>E    | II* D      |            | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI | 200/45<br>325               | X<br>X | <br><br>X<br>X<br>X |                                       |
| <b>MEXICO</b>                                      |                      |                           |            |            |                    |                    |                    |                             |        |                     |                                       |
| ACAPULCO/Gral. Juan N. Alvarez Intl.               | 10 PA1<br>28 PA1     | A/L<br>A/L<br>T<br>E<br>E | II*<br>II* | X<br><br>X | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI | <br><br><br>X      |                             | X<br>X | <br><br>X<br>X<br>X |                                       |
| AGUASCALIENTES                                     | NPA                  | A/L<br>E                  |            |            | <br>XI             | <br>XI             |                    |                             |        | <br>X               |                                       |
| APAN OTUMBA                                        |                      | T<br>E<br>T<br>E          |            |            | <br>XI<br>XI       | <br>XI<br>XI       |                    |                             |        | <br>X<br>X          |                                       |
| BAHIAS DE HUATULCO/Bahias de<br>Huatulco           | 07 NPA<br><br>25 NPA | A/L<br><br>E              |            |            | XI<br><br>XI       | XI<br><br>XI       |                    |                             |        | <br>X<br>X<br>X     |                                       |
| CAMPECHE/Ing. Alberto Acuña Ongay                  | 16 NPA<br>24 NPA     | A/L<br>A/L                |            |            | XI<br><br>XI       | XI<br><br>XI       |                    |                             |        | <br>X<br>X          |                                       |
| CANCUN/Cancun Intl.                                | 12 PA1<br>30 NPA     | A/L<br><br>T<br>E         | II* D (I)  |            | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI |                    | 135/45                      | X<br>X | <br><br>X<br>X      |                                       |
| CHETUMAL/Chetumal Intl.                            | 10 NPA<br>28 NPA     | A/L<br><br>E              |            |            | XI<br><br>XI       | XI<br><br>XI       | XI<br><br>XI       |                             |        | <br>X<br>X<br>X     |                                       |
| CHIHUAHUA/Gral. Roberto Fierro<br>Villalobos Intl. | 18L NP<br>36R PA1    | A/L<br>A/L<br>T<br>E      | II* D      |            | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI |                             | X<br>X | <br><br>X<br>X      |                                       |
| CHOIX                                              |                      | E                         |            |            |                    |                    | XI                 |                             |        | <br>X               |                                       |
| CIUDAD JUAREZ/Abraham González<br>Intl.            | 03 NPA<br><br>21 NPA | A/L<br><br>A/L<br>T<br>E  |            |            | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI |                    |                             |        | <br>X<br>X<br>X     |                                       |
| CIUDAD OBREGON                                     | NPA                  | A/L<br>E                  |            |            | <br>XI             | <br>XI             |                    | 70/45                       |        | <br>X               |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS | L  | DME            | VOR            | NDB            | Coverage<br>Fr<br>Cobertura | GNSS   |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-----|----|----------------|----------------|----------------|-----------------------------|--------|-------------|---------------------------------------|
|                                                    |                     |                           |     |    |                |                |                |                             | GBAS   | SBAS        |                                       |
| 1                                                  | 2                   | 3                         | 4   | 5  | 6              | 7              | 8              | 9                           | 10     | 11          | 12                                    |
| CIUDAD VICTORIA                                    | NPA                 | A/L<br>E                  |     |    | XI             | XI             |                | 80/45                       |        | X           |                                       |
| COLIMA                                             | NPA                 | A/L<br>E                  |     |    | XI             | XI             |                |                             |        | X           |                                       |
| CONCEPCION DEL ORO                                 |                     | E                         |     |    | XI             | XI             |                |                             |        | X           |                                       |
| COZUMEL/Cozumel Intl.                              | 11 PA1<br>29 NPA    | A/L<br>A/L<br>T<br>E<br>E | II* |    | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br>XI<br>XI | 200/45<br>230               | X<br>X | X<br>X<br>X |                                       |
| CUAUTLA                                            |                     | T<br>E                    |     |    | XI<br>XI       | XI<br>XI       |                |                             |        | X<br>X      |                                       |
| CULIACAN/Fidel Bachigualato                        | NPA                 | A/L<br>E                  |     |    | XI             | XI             |                |                             |        | X           |                                       |
| DELICIAS                                           |                     | T<br>E                    |     |    | XI             | XI             |                |                             |        | X           |                                       |
| DURANGO/Pte. Guadalupe Victoria Intl.              | 03 NPA              | A/L<br>E                  |     |    | XI<br>XI       | XI<br>XI       |                | 145/45                      |        | X<br>X      |                                       |
| GUADALAJARA/Miguel Hidalgo<br>Costilla Intl.       | 10 PA1              | A/L                       | II* | XI | XI             | XI             |                |                             | X      |             |                                       |
|                                                    | 28 PA1              | A/L<br>T<br>E             | II* |    | XI<br>XI       | XI<br>XI       |                | 125/45                      | X      | X<br>X      |                                       |
| GUAYMAS/Gral. José Maria Yañez Intl.               | 20 NPA              | A/L                       |     |    |                |                | XI             |                             |        | X           |                                       |
| HERMOSILLO/Gral. I. Pesqueira<br>Garcia Intl.      | 05 NPA              | A/L                       |     |    | XI             | XI             |                |                             |        | X           |                                       |
|                                                    | 23 NPA              | A/L<br>T<br>E             |     |    | XI<br>XI       | XI<br>XI       |                | 105/45                      |        | X<br>X<br>X |                                       |
| IXTAPA -ZIHUATANEJO/<br>Ixtapa-Zihuatanejo Intl.   | NPA                 | A/L<br>E                  |     |    | XI             | XI             |                | 105/45                      |        | X           |                                       |
| LA PAZ/Gral. Manuel Marquesde de<br>León Intl.     | 18 PA1              | A/L                       | II* |    | XI             | XI             |                |                             | X      |             |                                       |
|                                                    | 36 NPA              | A/L<br>T<br>E             |     |    | XI<br>XI       | XI<br>XI       |                | 135/45                      | X      | X<br>X      |                                       |
| LEON                                               | NPA                 | A/L<br>t<br>E             |     |    |                |                |                |                             |        | X           |                                       |
| LORETO/Loreto Intl.                                | 34 NPA              | A/L                       |     |    | XI             | XI             |                |                             |        | X           |                                       |
|                                                    |                     | E                         |     |    | XI             | XI             |                |                             |        | X           |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS            | L | DME                  | VOR                  | NDB | Coverage<br>Fr<br>Cobertura | GNSS   |                  | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|----------------|---|----------------------|----------------------|-----|-----------------------------|--------|------------------|---------------------------------------|
|                                                    |                     |                           |                |   |                      |                      |     |                             | GBAS   | SBAS             |                                       |
| 1                                                  | 2                   | 3                         | 4              | 5 | 6                    | 7                    | 8   | 9                           | 10     | 11               | 12                                    |
| LOS MOCHIS                                         | NPA                 | A/L<br>E<br>E             |                |   | XI<br>XI             | XI<br>XI             | X   | 120/45<br>120               |        | X<br>X<br>X      |                                       |
| MANZANILLO/Playa de Oro Intl.                      | 10 NPA              | A/L<br>E                  |                |   | XI<br>X              | XI<br>X              |     |                             |        | X<br>X           |                                       |
| MATAMOROS/Intl.                                    | 15 NPA<br>33 NPA    | A/L<br>A/L<br>T<br>E      |                |   | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI |     |                             |        | X<br>X<br>X<br>X |                                       |
| MAZATLAN/Gral. Rafael Buelna Intl.                 | 08 NPA<br>26 PA1    | A/L<br>A/L<br>T<br>E      | II* D          |   | XI<br>XI<br>XI       | XI<br>XI<br>XI       |     | 200/45                      | X<br>X | X<br>X           |                                       |
| MERIDA/Lic. Manuel Crescencio Rejón Intl.          | 10 PA1<br>28 NPA    | A/L<br>A/L<br>T<br>E<br>E | II*            |   | XI<br>XI<br>XI<br>XI | XI<br>XI<br>XI<br>XI | XI  | 200/45<br>200               | X<br>X | X<br>X<br>X      |                                       |
| MEXICALI/Gral. Rodolfo Sanchez Taboada Intl.       | 28 NPA              | A/L<br>T<br>E             |                |   | XI<br>XI<br>XI       | XI<br>XI<br>XI       |     | 70/45                       |        | X<br>X           |                                       |
| MEXICO/Lic. Benito Juárez Intl.                    | 05R PA1<br>23L PA1  | A/L<br>A/L<br>T<br>E      | II* D<br>II* D |   | XI<br>XI<br>XI       | XI<br>XI<br>XI       | XI  | 60/45                       | X<br>X | X<br>X           |                                       |
| MINATITLAN                                         | NPA                 | A/L<br>E                  |                |   | XI<br>XI             | XI<br>XI             |     | 70/45                       |        | X<br>X           |                                       |
| MONCLOVA                                           | NPA                 | A/L<br>E                  |                |   | XI                   | XI                   |     |                             |        | X                |                                       |
| MONTERREY/Aeropuerto Del Norte Intl.               | 20 NPA              | A/L<br>T<br>E             |                |   | XI<br>XI             | XI<br>XI             |     |                             |        | X<br>X           |                                       |
| MONTERREY/Gral. Mariano Escobedo Intl.             | 11 NPA<br>29 PA1    | A/L<br>A/L<br>T<br>E      | II* D          |   | XI<br>XI<br>XI       | XI<br>XI<br>XI       |     | 80/45                       | X<br>X | X<br>X           |                                       |
| MORELIA/Gral. Francisco J. Mujica Intl.            | 05 NPA              | A/L<br>E                  |                |   | XI<br>XI             | XI<br>XI             |     |                             |        | X<br>X           |                                       |
| NAUTLA                                             |                     | E<br>E                    |                |   | XI                   | XI                   |     | 200/45<br>400               |        | X<br>X           |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo  | Function<br>Fr<br>Funcion | ILS   | L | DME                | VOR                | NDB | Coverage<br>Fr<br>Cobertura | GNSS   |                  | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|----------------------|---------------------------|-------|---|--------------------|--------------------|-----|-----------------------------|--------|------------------|---------------------------------------|
|                                                    |                      |                           |       |   |                    |                    |     |                             | GBAS   | SBAS             |                                       |
| 1                                                  | 2                    | 3                         | 4     | 5 | 6                  | 7                  | 8   | 9                           | 10     | 11               | 12                                    |
| NUEVO LAREDO/Quetzatlicatl Intl.                   | 14 NPA<br>32 NPA     | A/L<br>A/L<br>T<br>E      |       |   | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI |     | 60/45                       |        | X<br>X<br>X<br>X |                                       |
| OAXACA                                             | NPA                  | A/L<br>T<br>E             |       |   | XI<br>XI           | XI<br>XI           |     | 110/45<br>100               |        | X<br>X<br>X      |                                       |
| OTUMBA                                             |                      | T<br>E                    |       |   | XI<br>XI           | XI<br>XI           |     |                             |        | X<br>X           |                                       |
| PACHUCA                                            |                      | T<br>E                    |       |   | XI<br>XI           | XI<br>XI           |     | 70/45                       |        | X<br>X           |                                       |
| POZA RICA                                          | NPA                  | A/L<br>E                  |       |   | XI                 | XI                 |     | 200/45                      |        | X                |                                       |
| PUEBLA                                             | NPA                  | A/L<br>E<br>T             |       |   | XI                 | XI                 |     |                             |        | X                |                                       |
| PUERTO ESCONDIDO                                   | NPA                  | A/L<br>E                  |       |   | XI                 | XI                 |     |                             |        | X                |                                       |
| PUERTO PEÑASCO                                     |                      | E                         |       |   | XI                 | XI                 |     | 105/45                      |        | X                |                                       |
| PUERTO VALLARTA/Lic. Gustavo<br>Díaz Ordaz Intl.   | 04 PA1<br>22 NPA     | A/L<br>A/L<br>T<br>E      | II* D |   | XI<br><br>XI<br>XI | XI<br><br>XI<br>XI |     |                             | X<br>X | X<br>X           |                                       |
| QUERETARO                                          | NPA                  | A/L<br>E                  |       |   | XI                 | XI                 |     | 200/45                      |        | X                |                                       |
| REYNOSA/Gral. Lucio Blanco Intl.                   | 31 NPA               | A/L<br>T<br>E             |       |   | XI<br>XI<br>XI     | XI<br>XI<br>XI     |     | 135/45                      |        | X<br>X<br>X      |                                       |
| SALTILLO                                           | PA1                  | A/L<br>E                  |       |   | XI                 | XI                 |     |                             |        | X                |                                       |
| SAN JOSE DEL CABO/San Jose<br>del Cabo Intl.       | 16 NPA<br><br>34 NPA | A/L<br><br>A/L<br>E       |       |   | XI<br><br>XI       | XI<br><br>XI       |     |                             |        | X<br><br>X<br>X  |                                       |
| SAN LUIS POTOSI                                    | NPA                  | A/L<br>E                  |       |   | XI                 | XI                 |     |                             |        | X                |                                       |
| SAN MARCOS                                         |                      | T<br>E                    |       |   |                    |                    | XI  |                             |        | X<br>X           |                                       |
| SAN MATEO                                          |                      | T                         |       |   | XI                 | XI                 |     |                             |        | X                |                                       |
| SAN QUINTIN                                        |                      | E                         |       |   | XI                 | XI                 |     |                             |        | X                |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS       | L | DME            | VOR            | NDB | Coverage<br>Fr<br>Cobertura | GNSS |                  | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-----------|---|----------------|----------------|-----|-----------------------------|------|------------------|---------------------------------------|
|                                                    |                     |                           |           |   |                |                |     |                             | GBAS | SBAS             |                                       |
| 1                                                  | 2                   | 3                         | 4         | 5 | 6              | 7              | 8   | 9                           | 10   | 11               | 12                                    |
| SANTA ANITA                                        |                     | T                         |           |   |                |                | X   |                             |      | X                |                                       |
| SANTA LUCIA                                        |                     | T<br>E                    |           |   | XI             | XI             |     |                             |      |                  |                                       |
| SANTA ROSALIA                                      |                     | E                         |           |   | XI             | XI             |     | 135/45                      |      | X                |                                       |
| TAMPICO/Gral. Francisco Javier Mina Intl.          | 13 PA1              | A/L                       | II* D (I) |   | XI             | XI             | XI  |                             | X    |                  |                                       |
|                                                    | 31 NPA              | A/L<br>T<br>E<br>E        |           |   | XI<br>XI       | XI<br>XI       |     | 200/45<br>265               | X    | X<br>X<br>X      |                                       |
| TAMUIN                                             |                     | E                         |           |   |                | XI             |     | 75/45                       |      | X                |                                       |
| TAPACHULA/Tapachula Intl.                          | 05 NPA              | A/L<br>E                  |           |   | XI<br>XI       | XI<br>XI       |     | 185/45                      |      | X<br>X           |                                       |
| TEPIC                                              |                     | E                         |           |   |                |                | X   |                             |      | X                |                                       |
| TEQUESQUITENGO                                     |                     | T<br>E                    |           |   | XI<br>XI       | XI<br>XI       |     | 100/45                      |      | X<br>X           |                                       |
| TIJUANA/Gral. Abelardo L. Rodriguez Intl.          | 09 PA1              | A/L                       | II* D (I) |   | XI             | XI             |     |                             | X    |                  |                                       |
|                                                    | 27 NPA              | A/L<br>T<br>E             |           |   | XI<br>XI       | XI<br>XI       |     | 50/45                       | X    | X<br>X           |                                       |
| TOLUCA/Lic. Adolfo Lopez Matos                     | 15 PA1<br>33 NPA    | A/L<br>A/L<br>E           | II D (I)  |   | XI<br>XI       | XI<br>XI       |     |                             |      | X<br>X<br>X      |                                       |
| TORREON/Torreon Intl.                              | 12 NPA<br>30 NPA    | A/L<br>A/L<br>T<br>E      |           |   | XI<br>XI<br>XI | XI<br>XI<br>XI |     |                             |      | X<br>X<br>X      |                                       |
| TUXTLA GUTIERREZ                                   | PA1                 | A/L<br>E<br>T             |           |   | XI             | XI             |     |                             |      | X                |                                       |
| VERACRUZ/Gral. Heriberto Jara Intl.                | 18 NPA<br>36 NPA    | A/L<br>A/L<br>T<br>E      |           |   | XI<br>XI<br>XI | XI<br>XI<br>XI |     | 70/45                       |      | X<br>X<br>X<br>X |                                       |
| VILLAHERMOSA/C.P.A. Carlos Rovirosa Intl.          | 08 NPA              | A/L<br>T<br>E             |           |   | XI<br>XI       | XI<br>XI       |     |                             |      | X<br>X           |                                       |
| ZACATECAS/Gral. Leobardo C. Ruiz Intl.             | 02 NPA              | A/L<br>E                  |           |   | XI<br>XI       | XI<br>XI       |     |                             |      | X<br>X           |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo  | Function<br>Fr<br>Funcion     | ILS         | L  | DME            | VOR            | NDB          | Coverage<br>Fr<br>Cobertura | GNSS       |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|----------------------|-------------------------------|-------------|----|----------------|----------------|--------------|-----------------------------|------------|-------------|---------------------------------------|
|                                                    |                      |                               |             |    |                |                |              |                             | GBAS       | SBAS        |                                       |
| 1                                                  | 2                    | 3                             | 4           | 5  | 6              | 7              | 8            | 9                           | 10         | 11          | 12                                    |
| <b>MONTSERRAT (United Kingdom)</b>                 |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| PLYMOUTH/W.H. Bramble,<br>Montserrat I.            | NINST                | A/L                           |             |    |                |                | XI           |                             |            | X           |                                       |
| <b>NETHERLANDS ANTILLES<br/>(Netherlands)</b>      |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| KRALENDIJK/Flamingo, Bonaire                       | 10 NPA<br>28 NPA     | A/L<br>A/L<br>E               |             | XI | X<br>XI        | XI<br>XI       |              |                             |            | X<br>X<br>X |                                       |
| ORANJESTAD/F.D. Roosevelt, Saint<br>Eustatius I.   | NINST                |                               |             |    |                |                |              |                             |            | X           |                                       |
| PHILIPSBURG/Prinses Juliana,<br>St. Maarten I.     | 09 PA1<br>27 NPA     | A/L<br>A/L<br>T<br>E<br>E     | II* D       |    | XI<br>XI<br>XI | XI<br>XI<br>XI | XI           |                             | X<br>X     | X<br>X<br>X |                                       |
| 200/45<br>255                                      |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| WILLEMSTAD/Hato, Curacao I.                        | 11 PA1<br>29 NPA     | A/L<br>A/L<br>T<br>E<br>E     | II* D       |    | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br><br>XI |                             | X<br>X     | X<br>X<br>X |                                       |
| 200/45<br>225                                      |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| <b>NICARAGUA</b>                                   |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| MANAGUA/Augusto César<br>Sandino Intl.             | 09 NPA<br><br>27 PA1 | A/L<br><br>A/L<br>T<br>E<br>E | <br><br>II* |    | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br><br>XI |                             | X<br><br>X | X<br>X<br>X |                                       |
| 200/45<br>280                                      |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| PUERTO CABEZAS/Puerto Cabezas                      | 09 NPA               | A/L<br>T<br>E                 |             |    | XI<br>XI<br>XI | XI<br>XI<br>XI |              |                             |            | X<br>X<br>X |                                       |
| 180/45                                             |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| <b>PANAMA</b>                                      |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| PANAMA/Marco A. Gelabert                           | NINST                |                               |             |    |                |                |              |                             |            | X           |                                       |
| BOCAS DEL TORO/Bocas Del Toro                      | 08 NPA<br>26 NPA     | A/L<br>A/L<br>E               |             |    | XI<br><br>XI   | XI<br><br>XI   |              |                             |            | X<br>X<br>X |                                       |
| 90/45                                              |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| CHANGUINOLA/Cap. Manuel Niño                       | NINST                |                               |             |    |                |                |              |                             |            | X           |                                       |
| DAVID/Enrique Malek                                | 04 NPA               | A/L<br>E<br>E                 |             |    | XI<br>XI<br>XI | XI<br>XI<br>XI | XI           |                             |            | X<br>X<br>X |                                       |
| 100/45<br>100                                      |                      |                               |             |    |                |                |              |                             |            |             |                                       |
| FRANCE/Enrique Jimnez                              |                      | T                             |             |    | XI             | XI             |              |                             |            | X           |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo           | Function<br>Fr<br>Funcion | ILS       | L | DME            | VOR            | NDB            | Coverage<br>Fr<br>Cobertura | GNSS        |        | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|-------------------------------|---------------------------|-----------|---|----------------|----------------|----------------|-----------------------------|-------------|--------|---------------------------------------|
|                                                    |                               |                           |           |   |                |                |                |                             | GBAS        | SBAS   |                                       |
| 1                                                  | 2                             | 3                         | 4         | 5 | 6              | 7              | 8              | 9                           | 10          | 11     | 12                                    |
| LA PALMA                                           |                               | E                         |           |   |                | XI             |                | 180/45                      |             | X      |                                       |
| PANAMA/Tocumen Intl.                               | 03R PA1<br>21L NPA<br>03L NPA | A/L<br>A/L<br>A/L<br>T    | II*       |   | XI             | XI             | XI             |                             | X<br>X<br>X |        |                                       |
| TABOGA                                             |                               | E<br>E                    |           |   | XI             | XI             | XI<br>XI       | 200/45                      |             | X<br>X |                                       |
| WANNKANDI                                          |                               | E                         |           |   |                |                | XI             |                             |             | X      |                                       |
| <b>PARAGUAY</b>                                    |                               |                           |           |   |                |                |                |                             |             |        |                                       |
| ASUNCION/Silvio Pettrossi                          | 02 NPA<br>20 PA1              | A/L<br>A/L<br>T<br>E<br>E | II* D (I) |   | XI<br>XI<br>XI | XI<br>XI<br>XI | XI<br>XI<br>XI | 200/45<br>300               | X<br>X      |        | X<br>X<br>X                           |
| CIUDAD DEL ESTE/Guaraní                            | 23 PA1<br>05 NPA              | A/L<br>A/L                | II        |   | XI<br>XI       | XI<br>XI       |                |                             | X<br>X      |        |                                       |
| CONCEPCION                                         |                               | E                         |           |   |                |                | XI             | 65                          |             | X      |                                       |
| ESTIGARRIBIA                                       |                               | E<br>E                    |           |   |                | X              | XI             | 200/45<br>300               |             | X<br>X |                                       |
| FILADELFIA                                         |                               | E                         |           |   |                |                | X              | 180                         |             | X      |                                       |
| <b>PERU</b>                                        |                               |                           |           |   |                |                |                |                             |             |        |                                       |
| ANDAHUAYLAS                                        |                               | E                         |           |   |                | XI             |                | 150/250                     |             | X      |                                       |
| AREQUIPA/Rodríguez Ballón Intl.                    | 09 PA1<br>NINST               | A/L<br>T<br>E             | I D       |   | XI<br>XI<br>XI | XI<br>XI<br>XI |                | 165                         | X           |        | X<br>X                                |
| ASIA                                               |                               | E                         |           |   | XI             | XI             |                | 85/45                       |             | X      |                                       |
| AYACUCHO                                           |                               | E                         |           |   |                |                | XI             | 200                         |             | X      |                                       |
| CAJAMARCA                                          |                               | E                         |           |   |                |                | XI             | 140                         |             | X      |                                       |
| CHACHAPOYAS                                        |                               | E                         |           |   |                | XI             |                | 200/45                      |             | X      |                                       |
| CHICLAYO/Cap. José Quiñones<br>González            | 18 PA1                        | A/L<br>E<br>T             | I D (I)   |   | XI<br>XI<br>XI | XI<br>XI<br>XI |                | 90/25                       | X           |        | X<br>X                                |
| CHIMBOTE                                           |                               | E                         |           |   | X              | XI             |                | 120/25                      |             | X      |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS     | L  | DME           | VOR    | NDB | Coverage<br>Fr<br>Cobertura | GNSS |      | Remarks<br>Remarques<br>Observaciones                                                                                            |
|----------------------------------------------------|---------------------|---------------------------|---------|----|---------------|--------|-----|-----------------------------|------|------|----------------------------------------------------------------------------------------------------------------------------------|
|                                                    |                     |                           |         |    |               |        |     |                             | GBAS | SBAS |                                                                                                                                  |
| 1                                                  | 2                   | 3                         | 4       | 5  | 6             | 7      | 8   | 9                           | 10   | 11   | 12                                                                                                                               |
| CUZCO/Velasco Astete                               | NINST               |                           |         |    |               |        |     |                             |      | X    | LLZ associated with<br>the approach<br>procedure<br>French<br>Spanish<br>LLZ asociado<br>con el procedimiento<br>de aproximación |
|                                                    | 27 NPA              | A/L<br>T                  |         |    | X<br>X        | X<br>X |     |                             |      | X    |                                                                                                                                  |
| IQUITOS/Coronel FAP Francisco<br>Secada Vignetta   | 06 PA1              | A/L                       | I D (I) | XI | XI            | XI     |     |                             | X    |      |                                                                                                                                  |
|                                                    |                     | E                         |         |    | XI            | XI     |     | 200/45                      |      | X    |                                                                                                                                  |
| JULIACA                                            |                     | E                         |         |    | XI            | XI     |     | 120/250                     |      | X    |                                                                                                                                  |
| LIMA CALLAO/Jorge Chavez Intl.                     | 15 PA2<br>33 NPA    | A/L                       | I       | X  | XI            | XI     |     |                             | X    |      |                                                                                                                                  |
|                                                    |                     | T                         |         |    | XI            | XI     |     |                             |      | X    |                                                                                                                                  |
|                                                    |                     | E                         |         |    | XI            | XI     |     | 200/45                      |      | X    |                                                                                                                                  |
| PISCO/Pisco                                        | 21 NPA              | A/L                       |         |    | XI            | XI     | XI  |                             |      |      | X                                                                                                                                |
|                                                    |                     | T                         |         |    | XI            | XI     |     |                             |      |      | X                                                                                                                                |
|                                                    |                     | E                         |         |    | XI            | XI     |     | 120/45                      |      |      | X                                                                                                                                |
| PUCALLPA                                           |                     | E                         |         |    | XI            | XI     |     | 160/45                      |      | X    |                                                                                                                                  |
| SALINAS                                            |                     | E                         |         |    | XI            | XI     |     | 200/45                      |      | X    |                                                                                                                                  |
| SAN JUAN                                           |                     | E                         |         |    | X             | XI     |     | 200/45                      |      | X    |                                                                                                                                  |
| SIHUAS                                             |                     | E                         |         |    |               | XI     |     | 160/45                      |      | X    |                                                                                                                                  |
| TACNA/CORONEL FAP Carlos Ciriani<br>Santa Rosa     | 02 PA1              | A/L                       | I D (I) |    | XI            | XI     |     |                             | X    |      |                                                                                                                                  |
|                                                    |                     | T/E                       |         |    | XI            | XI     |     |                             |      | X    |                                                                                                                                  |
| TARAPOTO                                           |                     | E                         |         |    | XI            | XI     |     | 160/45                      |      | X    |                                                                                                                                  |
| TRUJILLO/Cap. Carlos Martinez de<br>Pinillos       | 01PA1               | A/L                       | I D (I) |    |               |        |     |                             | X    |      |                                                                                                                                  |
|                                                    | T/E                 |                           |         |    | XI            | XI     |     | 160/45                      |      | X    |                                                                                                                                  |
| URCOS                                              |                     | E                         |         |    | XI            | XI     |     | 200/45                      |      | X    |                                                                                                                                  |
| <b>PUERTO RICO (United States)</b>                 |                     |                           |         |    |               |        |     |                             |      |      |                                                                                                                                  |
| AGUADILLA/Rafael Hernandez Intl.                   | 08 PA1<br>26 NPA    | A/L                       | I       |    | X             | X      |     |                             | X    |      |                                                                                                                                  |
|                                                    |                     | A/L                       |         |    |               |        |     |                             |      | X    |                                                                                                                                  |
| BORINQUEN                                          |                     | E                         |         |    | XI<br>(Tacan) | XI     |     |                             |      | X    |                                                                                                                                  |
| DORADO                                             |                     | E                         |         |    |               |        | XI  | 400                         |      | X    |                                                                                                                                  |
| MAYAQUEZ/Mayaquez                                  | 09 NPA              | A/L                       |         |    |               | XI     | XI  |                             |      | X    |                                                                                                                                  |
|                                                    |                     | E                         |         |    |               | XI     |     | 145/45                      |      | X    |                                                                                                                                  |

[illegible]

| Station/Territory<br>French<br>Estacion/Territorio         | Rwy<br>Type<br>Tipo  | Function<br>Fr<br>Funcion | ILS | L | DME                            | VOR          | NDB         | Coverage<br>Fr<br>Cobertura | GNSS       |             | Remarks<br>Remarques<br>Observaciones |
|------------------------------------------------------------|----------------------|---------------------------|-----|---|--------------------------------|--------------|-------------|-----------------------------|------------|-------------|---------------------------------------|
|                                                            |                      |                           |     |   |                                |              |             |                             | GBAS       | SBAS        |                                       |
| 1                                                          | 2                    | 3                         | 4   | 5 | 6                              | 7            | 8           | 9                           | 10         | 11          | 12                                    |
| <b>SURINAME</b>                                            |                      |                           |     |   |                                |              |             |                             |            |             |                                       |
| NEW NICKERIE/Maj. Fernandes                                | NINST                |                           |     |   |                                |              |             |                             |            | X           |                                       |
| PARAMARIBO/Zorg En Hoop                                    | NINST                | T                         |     |   |                                |              | X           |                             |            | X           |                                       |
|                                                            |                      |                           |     |   |                                |              | X           |                             |            | X           |                                       |
| ZANDERY/Johan Adolfo Pengel Intl.                          | 11 PA1<br>29 NPA     | A/L<br>A/L<br>T<br>E<br>E | II* |   | XI<br><br>XI                   | XI<br><br>XI | XI<br><br>X | 200/45<br>300               | X<br>X     | X<br>X<br>X |                                       |
| <b>TRINIDAD AND TOBAGO</b>                                 |                      |                           |     |   |                                |              |             |                             |            |             |                                       |
| PORT OF SPAIN/Piarco Intl. Trinidad I.                     | 10 PA1<br>28 NPA     | A/L<br>A/L<br>T<br>E      | II* |   | XI                             | XI           | X           | 200/45<br>400               | X<br>X     | X<br>X      |                                       |
| SCARBOROUGH/Crown Point,<br>Tobago I.                      | 11 NPA               | A/L<br><br>E              |     |   |                                |              | XI<br>XI    | 150                         |            | X<br>X      |                                       |
| <b>TURKS AND CAICOS ISLANDS<br/>(United Kingdom)</b>       |                      |                           |     |   |                                |              |             |                             |            |             |                                       |
| GRAND TURK/Grand Turk Intl.                                | 11 NPA               | A/L<br><br>E              |     | X | XI<br>(Tacan)<br>XI<br>(Tacan) | X<br>X       |             | 200/45                      |            | X<br>X      |                                       |
| PROVIDENCIALES/Providenciales Intl.                        | 10 NPA<br>28 NPA     | A/L<br>A/L                |     |   |                                |              | XI          |                             |            | X<br>X      |                                       |
| SOUTH CAICOS/South Caicos Intl.                            | NINST                |                           |     |   |                                |              |             |                             |            | X           |                                       |
| <b>URUGUAY</b>                                             |                      |                           |     |   |                                |              |             |                             |            |             |                                       |
| COLONIA/Internacional de Colonia                           | 12 NPA<br>30 NPA     | A/L<br>A/L                |     |   |                                |              | XI          |                             |            | X<br>X      |                                       |
| DURAZNO                                                    |                      | E                         |     |   |                                | XI           |             | 110/45                      |            | X           |                                       |
| MALDONADO/Intl C/C Calos A.<br>Curbelo<br>Laguna del Sauce | 08 PA1<br><br>26 NPA | A/L<br><br>A/L<br>E       | I D |   | XI<br><br>XI                   | XI<br><br>XI | XI          |                             | X<br><br>X |             |                                       |
| MELO                                                       |                      | E                         |     |   |                                | XI           |             | 200/45                      |            | X           |                                       |
| MONTEVIDEO/Aeropuerto Angel S.<br>Adami Intl.              | 18 NPA<br><br>NINST  |                           |     |   |                                |              | X           |                             |            | X<br>X      |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS       | L | DME                            | VOR            | NDB            | Coverage<br>Fr<br>Cobertura | GNSS   |             | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-----------|---|--------------------------------|----------------|----------------|-----------------------------|--------|-------------|---------------------------------------|
|                                                    |                     |                           |           |   |                                |                |                |                             | GBAS   | SBAS        |                                       |
| 1                                                  | 2                   | 3                         | 4         | 5 | 6                              | 7              | 8              | 9                           | 10     | 11          | 12                                    |
| MONTEVIDEO/Carrasco Intl.                          | 06 NPA<br>24 PA1    | A/L<br>A/L<br>T<br>E<br>E | II*       |   | XI<br>XI<br>XI                 | XI<br>XI<br>XI | XI<br>XI<br>XI | 200/45<br>200               | X<br>X | X<br>X<br>X |                                       |
| RIVERA/Cerro Chapeu Intl.                          | 04 NPA              | A/L                       |           |   |                                |                | XI             |                             |        | X           |                                       |
| SALTO/Nueva Hesperides Intl.                       | 04 NPA<br>22 NPA    | A/L<br>A/L<br>E           |           |   |                                | XI<br>XI       | XI<br>XI       |                             |        | X<br>X<br>X |                                       |
| <b>VENEZUELA</b>                                   |                     |                           |           |   |                                |                |                |                             |        |             |                                       |
| BARCELONA/Gral. José Antonio<br>Anzoategui Intl.   | 15 PA1              | A/L<br>E                  | II*       |   | XI<br>(Tacan)<br>XI<br>(Tacan) | XI<br>XI       |                | 55/25                       | X      | X           |                                       |
| BARINAS                                            |                     | E                         |           |   | XI                             | XI             |                | 100/25                      |        | X           |                                       |
| BARQUISIMETO                                       |                     | E                         |           |   | XI                             | XI             |                | 190/35                      |        | X           |                                       |
| CABO CODERA                                        |                     | E<br>E                    |           |   | XI                             | XI             | X              | 200/45<br>300               |        | X<br>X      |                                       |
| CAICARA DEL ORINOCO                                |                     | E                         |           |   | XI                             | XI             |                |                             |        | X           |                                       |
| CANAIMA                                            |                     | E                         |           |   | XI                             | XI             |                |                             |        | X           |                                       |
| CARACAS/Simon Bolivar Intl.,<br>Maiquetia          | 09 PA1<br>27 NPA    | A/L<br>A/L<br>T<br>E<br>E | II* D (I) |   | XI<br>XI                       | XI<br>XI       | XI<br>XI       | 200/45<br>300               | X<br>X | X<br>X<br>X |                                       |
| CARORA                                             |                     | E                         |           |   | XI                             | XI             |                |                             |        | X           |                                       |
| CARUPANO                                           |                     | E                         |           |   |                                |                | X              | 70                          |        | X           |                                       |
| CIUDAD BOLIVAR                                     |                     | E                         |           |   | XI                             | XI             |                | 100/45                      |        | X           |                                       |
| CORO                                               |                     | E                         |           |   | XI                             | XI             |                | 110/45                      |        | X           |                                       |
| CUMANA                                             |                     | T                         |           |   |                                | XI             |                |                             |        | X           |                                       |
| EL CANTON                                          |                     | E                         |           |   | XI                             | XI             |                | 200/45                      |        | X           |                                       |
| ELORZA                                             |                     | E                         |           |   |                                |                | XI             | 165                         |        | X           |                                       |
| GRAND ROQUE                                        |                     | T<br>E<br>E               |           |   | XI                             | XI             | X              | 200/45<br>220               |        | X<br>X<br>X |                                       |
| GUYANA                                             |                     | E                         |           |   | XI<br>(Tacan)                  | XI             |                | 200/45                      |        | X           |                                       |

| Station/Territory<br>French<br>Estacion/Territorio       | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS | L | DME           | VOR      | NDB | Coverage<br>Fr<br>Cobertura | GNSS |        | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------------|---------------------|---------------------------|-----|---|---------------|----------|-----|-----------------------------|------|--------|---------------------------------------|
|                                                          |                     |                           |     |   |               |          |     |                             | GBAS | SBAS   |                                       |
| 1                                                        | 2                   | 3                         | 4   | 5 | 6             | 7        | 8   | 9                           | 10   | 11     | 12                                    |
| LA DIVINA PASTORA                                        |                     | E<br>E                    |     |   | XI            | XI       | XI  | 200/45<br>280               |      | X<br>X |                                       |
| MARACAIBO/La Chinita Intl.                               | 02L PA1             | A/L                       | II* |   | XI<br>(Tacan) | XI       | X   |                             | X    |        |                                       |
|                                                          | 20R NP              | A/L<br>T                  |     |   | XI<br>(Tacan) | XI       |     |                             | X    | X      |                                       |
|                                                          |                     | E                         |     |   | XI<br>(Tacan) | XI       |     | 200/45                      |      | X      |                                       |
|                                                          |                     | E                         |     |   |               |          | X   | 280                         |      | X      |                                       |
| MARACAY                                                  |                     | E                         |     |   |               | X        |     |                             |      | X      |                                       |
| MARGARITA I./ Intl. Del Caribe, Gral.<br>Santiago Marino | 09 PA1              | A/L                       | II* |   | XI            | XI       | XI  |                             | X    |        |                                       |
|                                                          |                     | T                         |     |   | XI            | XI       |     | 200/45                      |      | X      |                                       |
|                                                          |                     | E                         |     |   | XI            | XI       | X   | 300                         |      | X      |                                       |
| MATURIN                                                  |                     | T                         |     |   | XI            | XI       |     |                             |      | X      |                                       |
|                                                          |                     | E                         |     |   | XI            | XI       |     | 190/45                      |      | X      |                                       |
|                                                          |                     | E                         |     |   |               |          | XI  | 190                         |      | X      |                                       |
| MENE MAUROA                                              |                     | E                         |     |   |               | XI       |     | 190/45                      |      | X      |                                       |
| ÑO LEON                                                  |                     | E                         |     |   | XI            | XI       |     |                             |      | X      |                                       |
| PARAGUANA/Josefa Camejo Intl.                            | 09 NPA<br>NINST     | A/L                       |     |   | XI            | XI       |     |                             |      | X<br>X |                                       |
|                                                          |                     | E                         |     |   | XI            | XI       |     | 200/45                      |      | X      |                                       |
| PUERTO CABELLO                                           |                     | T                         |     |   |               | XI       |     |                             |      | X      |                                       |
|                                                          |                     | E                         |     |   | XI            | XI       |     | 200/45                      |      | X      |                                       |
| PUERTO AYACUCHO                                          |                     | E                         |     |   | XI<br>(Tacan) | XI       |     |                             |      | X      |                                       |
| PUNTA SAN JUAN                                           |                     | T                         |     |   |               | XI       |     |                             |      | X      |                                       |
|                                                          |                     | E                         |     |   | XI            | XI       |     | 70/45                       |      | X      |                                       |
| SAN ANTONIO DEL TACHIRA/San<br>Antonio del Tachira Intl. | 16 NPA<br>NINST     |                           |     |   | X             | X        |     |                             |      | X      |                                       |
|                                                          |                     |                           |     |   |               |          |     |                             |      | X      |                                       |
| SANTA BARBARA DEL ZULIA                                  |                     | E                         |     |   | XI            | XI       |     | 150/45                      |      | X      |                                       |
| SAN TOME                                                 |                     | E                         |     |   |               | XI       |     | 80/45                       |      | X      |                                       |
| TUCUPITA                                                 |                     | E                         |     |   |               |          | XI  | 150                         |      | X      |                                       |
| TUY                                                      |                     | E<br>T                    |     |   | XI<br>XI      | XI<br>XI |     |                             |      | X      |                                       |
| VALENCIA/Zim Valencia Intl.                              | 28 NPA              | A/L                       |     |   | X             | X        | XI  |                             |      | X      |                                       |

| Station/Territory<br>French<br>Estacion/Territorio | Rwy<br>Type<br>Tipo | Function<br>Fr<br>Funcion | ILS | L | DME      | VOR      | NDB | Coverage<br>Fr<br>Cobertura | GNSS |        | Remarks<br>Remarques<br>Observaciones |
|----------------------------------------------------|---------------------|---------------------------|-----|---|----------|----------|-----|-----------------------------|------|--------|---------------------------------------|
|                                                    |                     |                           |     |   |          |          |     |                             | GBAS | SBAS   |                                       |
| 1                                                  | 2                   | 3                         | 4   | 5 | 6        | 7        | 8   | 9                           | 10   | 11     | 12                                    |
| <b>VIRGIN ISLANDS (United Kingdom)</b>             |                     |                           |     |   |          |          |     |                             |      |        |                                       |
| ROADTOWN/Beef Island                               | 07 NPA              | A/L                       |     |   |          |          | XI  |                             |      | X      |                                       |
| VIRGIN GORDA/Virgin Gorda                          | NINST               |                           |     |   |          |          |     |                             |      | X      |                                       |
| <b>VIRGIN ISLANDS (United States)</b>              |                     |                           |     |   |          |          |     |                             |      |        |                                       |
| CHRISTIANSTED/Henry E. Rohlsen,<br>St. Croix       | 09 PA1              | A/L                       | II* |   | XI       | XI       | XI  |                             |      | X      |                                       |
|                                                    | 27 NPA              | A/L<br>E                  |     |   | XI       | XI       |     | 155/45                      |      | X<br>X |                                       |
| SAINT THOMAS/Cyril E. King                         | 10 PA1<br>28 NPA    | A/L<br>A/L<br>T           | I   |   | XI<br>XI | XI<br>XI |     |                             | X    | X<br>X |                                       |

**Table CNS 4A — Tableau CNS 4A — Tabla CNS 4A**

**SURVEILLANCE SYSTEMS  
FRENCH TEXT  
SISTEMAS DE VIGILANCIA**

EXPLANATION OF THE TABLE

*Column*

|    |                                                                                                                                                               |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Name of State/Territory and location of the radar station                                                                                                     |
| 2  | Air Traffic Services Unit served by the facility                                                                                                              |
| 3  | PSR / Function – Primary Surveillance Radar / Function<br>E – En-route area control centres<br>T – Terminal                                                   |
| 4  | Coverage of Primary Surveillance Radar in nautical miles                                                                                                      |
| 5  | PSR / Status Imp. – Primary Surveillance Radar / Status Implementation                                                                                        |
| 6  | SSR / MSSR / Function – Secondary Surveillance Radar / Monopulse Secondary Surveillance Radar / Function<br>E – En-route area control centres<br>T – Terminal |
| 7  | SSR / MSSR / Modes – Modes A, C or S                                                                                                                          |
| 8  | Coverage of secondary Surveillance Radar in nautical miles                                                                                                    |
| 9  | SSR / MSSR / Status Impl – Secondary Surveillance Radar / Monopulse Secondary Surveillance Radar / Status Implementation                                      |
| 10 | ADS / Type – Automatic Dependent Surveillance / Type                                                                                                          |
| 11 | ADS / Status Impl. – Automatic Dependent Surveillance / Status Implementation                                                                                 |
| 12 | Remarks                                                                                                                                                       |

*Note.— The following codes are used in columns 5, 9, 11 and 12:*

- 5, 9 and 11    I – Implemented using conventional SSR  
                   I\* – Implemented using Monopulse SSR  
                   NI – Not implemented  
                   I/P – (Implemented/Planned. Indicates the implemented radar system and enlargement and/or replacement of the radar system at short term (2 years)  
                   P – Planned using SSR  
                   P\* – stands for future plan using Monopulse SSR
-

NP – (Not planned) – Indicates that the State has no plans for radar implementation  
 R – Recommended

- 12 \* MSSR – Monopulse SSR  
 < - Year – Planned commissioning year  
 > - Year – Planned decommissioning year

## EXPLICATION DU TABLEAU

## EXPLICACION DE LA TABLA

## Columna

- |    |                                                                                                                                                                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Nombre del Estado/Territorio y localización de la estación radar                                                                                                |
| 2  | Unidad de Servicio de Tránsito Aéreo servida por la facilidad                                                                                                   |
| 3  | PSR / Función – Radar Primario de Vigilancia / Función<br>E – En-route area control centres<br>T – Terminal                                                     |
| 4  | Cobertura del Radar Primario de Vigilancia in millas náuticas                                                                                                   |
| 5  | PSR / Estado Imp – Radar Primario de Vigilancia / Estado Implementación                                                                                         |
| 6  | SSR / MSSR / Función – Radar Secundario de Vigilancia / Radar Secundario de Vigilancia Monopulso / Función<br>E – En-route area control centres<br>T – Terminal |
| 7  | SSR / MSSR / Modos – Modos A, C & S                                                                                                                             |
| 8  | Cobertura del Radar Secundario de Vigilancia en millas náuticas                                                                                                 |
| 9  | SSR / MSSR / Estado Impl – Radar Secundario de Vigilancia / Radar Secundario de Vigilancia Monopulso / Estado Implementación                                    |
| 10 | ADS / Tipo – Vigilancia Dependiente Automática / Tipo                                                                                                           |
| 11 | ADS / Estado Imp – Vigilancia Dependiente Automática / Estado Implementación                                                                                    |
| 12 | Observaciones                                                                                                                                                   |

*Nota. – Los códigos siguientes son usados en las columnas 5, 9, 11 y 12:*

- |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5, 9 y 11 | I – Implementado usando SSR convencional<br>I* – Implementado usando SSR Monopulso<br>NI – No implementado<br>I/P – (Implementado/Planeado. Indica un sistema radar implementado y enlargement y/o reemplazamiento de un sistema radar a corto término (2 años)<br>P – Planeado usando SSR Monopulso<br>P* – stands for futuro plan usando SSR Monopulso<br>NP – (No planeado) – Indica que el Estado no ha planeado la implementación del radar<br>R – Recomendado |
| 12        | * MSSR – SSR Monopulso                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| State (Territory)/Location<br>Estado (Territorio)/Ubicación | ATS Unit Served<br>Unidad ATS Servida        | PSR                 |                               |                  | SSR                 |                                   |                               |                  | ADS          |                  | Remarks<br>Observaciones |
|-------------------------------------------------------------|----------------------------------------------|---------------------|-------------------------------|------------------|---------------------|-----------------------------------|-------------------------------|------------------|--------------|------------------|--------------------------|
|                                                             |                                              | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A,C<br>or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                          |
| 1                                                           | 2                                            | 3                   | 4                             | 5                | 6                   | 7                                 | 8                             | 9                | 10           | 11               | 12                       |
| <b>ANGUILA (United Kingdom)</b>                             |                                              |                     |                               |                  |                     |                                   |                               | NP               |              |                  |                          |
| <b>ANTIGUA AND BARBUDA</b><br>Airport (4 NM North)          | V.C. Bird APP                                |                     |                               |                  | T                   | A/C                               |                               | P                |              |                  |                          |
| <b>ARGENTINA</b>                                            |                                              |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Aeroparque Jorge Newbery                                    | Ezeiza ACC<br>Aeroparque APP                 | T                   | 60                            | P                | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Bahía Blanca, Airport                                       | Ezeiza ACC<br>Bahia Blanca APP               | T                   | 60                            | P                | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Bolívar, Airport                                            | Ezeiza ACC                                   |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Colonia Catriel, Airport                                    | Ezeiza ACC                                   |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Córdoba, Airport                                            | Córdoba ACC<br>Ezeiza ACC<br>Cordoba APP     | T                   | 60                            | I                | E/T                 | A/C                               | 180                           | I/P*             |              |                  | * MSSR                   |
| Ezeiza, Airport                                             | Ezeiza ACC<br>Buenos Aires APP               | T                   | 90                            | I                | E                   | A/C                               | 220                           | I*               |              |                  | * MSSR                   |
| Jujuy, Airport                                              | Córdoba ACC                                  |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| La Rioja, Airport                                           | Córdoba ACC                                  |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Las Lomitas, Airport                                        | Ezeiza ACC<br>Cordoba ACC                    |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Mar del Plata, Airport                                      | Ezeiza ACC<br>Mar del Plata APP              | T                   | 60                            | I                | E/T                 | A/C                               | 220                           | I*               |              |                  | * MSSR                   |
| Mendoza, Airport                                            | Mendoza ACC<br>Mendoza APP                   | T                   | 60                            | I                | E/T                 | A/C                               | 180                           | I*               |              |                  | *MSSR                    |
| Merlo (Buenos Aires)                                        | Ezeiza ACC                                   | T                   | 220                           | P                | E/T                 | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Paraná, Airport                                             | Ezeiza ACC<br>Córdoba ACC                    |                     |                               |                  | E                   | A/C                               | 220                           | I*               |              |                  | * MSSR                   |
| Posadas Airport                                             | Ezeiza ACC                                   |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Reconquista, Airport                                        | Ezeiza ACC<br>Cordoba ACC                    |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Resistencia, Airport                                        | Ezeiza ACC<br>Cordoba ACC<br>Resistencia APP | T                   | 60                            | P                | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| San Carlos de Bariloche,<br>Airport                         | Ezeiza ACC<br>Barloche APP                   | T                   | 60                            | P                | E/T                 | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| San Luis, Airport                                           | Córdoba ACC<br>Ezeiza ACC                    |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Santa Rosa, Airport                                         | Ezeiza ACC<br>Cordoba ACC                    |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Tartagal, Airport                                           | Cordoba ACC                                  |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| Tucumán, Airport                                            | Córdoba ACC<br>Ezeiza ACC                    |                     |                               |                  | E                   | A/C                               | 220                           | P*               |              |                  | * MSSR                   |
| <b>ARUBA (Netherlands)</b><br>Aruba                         | Reina Beatrix APP                            | T                   | 80                            | I                | T                   | A/C                               | 256                           | I*               |              |                  | *MSSR                    |
| <b>BAHAMAS</b><br>Nassau                                    | Miami ACC<br>Nassau APP                      | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| <b>BARBADOS</b><br>Aiport                                   | Adams APP                                    | T                   |                               | I/P*             | E,T                 | A/C                               |                               | I/P              |              |                  |                          |

| State (Territory)/Location<br>Estado (Territorio)/Ubicación | ATS Unit Served<br>Unidad ATS Servida | PSR                 |                               |                  | SSR                 |                                   |                               |                  | ADS          |                  | Remarks<br>Observaciones                                                                                                                                                                                                                      |
|-------------------------------------------------------------|---------------------------------------|---------------------|-------------------------------|------------------|---------------------|-----------------------------------|-------------------------------|------------------|--------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             |                                       | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A,C<br>or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                                                                                                                                                                                                                                               |
| 1                                                           | 2                                     | 3                   | 4                             | 5                | 6                   | 7                                 | 8                             | 9                | 10           | 11               | 12                                                                                                                                                                                                                                            |
| <b>BELIZE</b>                                               | Belize APP                            |                     |                               |                  |                     |                                   |                               | NP               |              |                  |                                                                                                                                                                                                                                               |
| <b>BOLIVIA</b><br>La Paz                                    | La Paz ACC                            |                     |                               |                  | E                   | A/C                               |                               | I/P*             |              |                  | *Broadening FIR coverage and replacement by MSSR are recommended./<br>Se recomienda ampliar la cobertura de la FIR y reemplazo por MSSR<br>*Recommended/ Recomendado<br>**Replacement by MSSR is recommended./ Recomendado reemplazo por MSSR |
| La Paz                                                      | La Paz APP                            | T                   |                               | P*               | T                   | A/C                               |                               | I/P**            |              |                  |                                                                                                                                                                                                                                               |
| <b>BRAZIL</b>                                               |                                       |                     |                               |                  |                     |                                   |                               |                  |              |                  |                                                                                                                                                                                                                                               |
| Barra do Garças                                             | Brasília ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR < - 2000                                                                                                                                                                                                                                |
| Belém                                                       | Belém ACC                             | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Belém                                                       | Belém APP                             | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Boa Vista                                                   | Manaus ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR < - 2000                                                                                                                                                                                                                                |
| Bom Jesus da Lapa                                           | Recife ACC                            |                     |                               |                  | E                   | A/C                               |                               | P *              |              |                  |                                                                                                                                                                                                                                               |
| Brasília (Gama)                                             | Brasília ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Brasília                                                    | Brasília APP                          | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Cachimbo                                                    |                                       |                     |                               |                  | E                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Campinas                                                    | Campinas APP                          | T                   |                               | P                | T                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Canguçu                                                     | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Catanduvas                                                  | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Chapada dos Guimarães                                       | Brasília ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Confins                                                     | Belo Horizonte APP                    | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Conceição do Araguaia                                       |                                       | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Cruzeiro do Sul                                             |                                       | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Curitiba (Morro da Igreja)                                  | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Curitiba                                                    | Curitiba APP                          | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Dianópolis                                                  |                                       |                     |                               |                  | E                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Eirunepé                                                    |                                       | E                   |                               | P                | E                   | A/C                               |                               | P *              |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Fernando de Noronha                                         | Recife ACC                            |                     |                               |                  | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Fortaleza                                                   | Recife ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Fortaleza                                                   | Fortaleza APP                         | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Foz do Iguaçu                                               | Foz do Iguaçu APP                     | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Guajará - Mirim                                             |                                       | E                   |                               | P                | E                   | A/C                               |                               | P *              |              |                  |                                                                                                                                                                                                                                               |
| Guarulhos                                                   | São Paulo APP                         | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Imperatriz                                                  |                                       |                     |                               |                  | E                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Jacareacanga                                                |                                       |                     |                               |                  | E                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Jaraguari                                                   | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR                                                                                                                                                                                                                                         |
| Macapá                                                      |                                       | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  |                                                                                                                                                                                                                                               |
| Maceió                                                      | Recife ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |
| Manaus (E. Gomes)                                           | Manaus ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                                                                                                                                                               |

| State (Territory)/Location<br>Estado (Territorio)/Ubicación | ATS Unit Served<br>Unidad ATS Servida | PSR                 |                               |                  | SSR                 |                                   |                               |                  | ADS          |                  | Remarks<br>Observaciones |
|-------------------------------------------------------------|---------------------------------------|---------------------|-------------------------------|------------------|---------------------|-----------------------------------|-------------------------------|------------------|--------------|------------------|--------------------------|
|                                                             |                                       | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A,C<br>or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                          |
| 1                                                           | 2                                     | 3                   | 4                             | 5                | 6                   | 7                                 | 8                             | 9                | 10           | 11               | 12                       |
| Manaus (E. Gomes)                                           | Manaus APP                            | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR < - 1999           |
| Natal                                                       | Recife ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Natal                                                       | Natal APP                             | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Petrolina                                                   | Recife ACC                            |                     |                               |                  | E                   | A/C                               |                               | P *              |              |                  |                          |
| Pico do Couto                                               | Brasília ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Porto Alegre                                                | Porto Alegre APP                      | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR<br>*MSSR < - 2000  |
| Porto Espiridião                                            |                                       | E                   |                               | P                | E                   | A/C                               |                               | P *              |              |                  |                          |
| Porto Seguro                                                | Recife ACC                            | E                   |                               | P                | E                   | A/C                               |                               | P *              |              |                  |                          |
| Porto Velho                                                 |                                       | E                   |                               | P                | E                   | A/C                               |                               | P *              |              |                  |                          |
| Recife                                                      | Recife ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Recife                                                      | Recife APP                            | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR<br>*MSSR           |
| Rio Branco                                                  |                                       | E                   |                               | P                | E                   | A/C                               |                               | P *              |              |                  |                          |
| Rio de Janeiro (Galeao)                                     | Rio APP                               | T                   |                               | I                | T                   | A/C                               |                               | I/P*             |              |                  |                          |
| Salvador                                                    | Recife ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Salvador                                                    | Salvador APP                          | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Santarém                                                    |                                       | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  | *MSSR                    |
| Santiago                                                    | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR<br>*MSSR           |
| São Félix do Araguaia                                       |                                       |                     |                               |                  | E                   | A/C                               |                               | P*               |              |                  |                          |
| São Félix do Xingu                                          |                                       |                     |                               |                  | E                   | A/C                               |                               | P*               |              |                  |                          |
| São Gabriel da Cachoeira                                    | Manaus ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| São Luís                                                    |                                       | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  |                          |
| São Paulo                                                   | São Paulo APP                         | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  | *MSSR                    |
| São Roque                                                   | Brasília ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR                    |
| Sinop                                                       | Brasília ACC                          | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  |                          |
| Tabatinga                                                   | Manaus ACC                            | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Tanabi                                                      | Brasília ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Tefé                                                        |                                       | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  |                          |
| Tiriós                                                      |                                       |                     |                               |                  | E                   | A/C                               |                               | P*               |              |                  | *MSSR                    |
| Três Marias                                                 | Brasília ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR                    |
| Vilhena                                                     |                                       | E                   |                               | P                | E                   | A/C                               |                               | P *              |              |                  |                          |
| CHILE                                                       |                                       |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Antofagasta                                                 | Santiago ACC                          | T                   |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  | *MSSR                    |
|                                                             | Antofagasta APP                       |                     |                               |                  |                     |                                   |                               |                  |              |                  | *MSSR                    |
| Cerrillos                                                   | Santiago ACC                          |                     |                               |                  | T                   | A/C                               |                               | I*               |              |                  |                          |
| Iquique                                                     | Santiago ACC                          | T                   |                               | I                | E/T                 | A/C                               |                               | I                |              |                  | *MSSR                    |
|                                                             | Iquique APP                           |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Los Angeles                                                 | Santiago ACC                          |                     |                               |                  | E                   | A/C                               |                               | I*               |              |                  |                          |
| Puerto Montt                                                | Puerto Montt APP                      | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Punta Arena                                                 | Punta Arena ACC                       | E/T                 |                               | I                | E/T                 | A/C                               |                               | I                |              |                  |                          |
|                                                             | Punta Arena APP                       |                     |                               |                  |                     |                                   |                               |                  |              |                  | *MSSR                    |
| Santiago                                                    | Santiago ACC                          | T                   |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  |                          |
|                                                             | Santiago APP                          |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Vallenar                                                    | Santiago ACC                          |                     |                               |                  | E                   | A/C                               |                               | I*               |              |                  | *MSSR                    |
| COLOMBIA                                                    |                                       |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Araracuara                                                  | Bogota ACC/APP                        | E/T                 |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Bucaramanga                                                 | Bucaramanga APP                       | T                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  | *MSSR                    |
| Cali                                                        | Cali ACC/APP                          | T                   |                               | I                | T                   | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Carimagua                                                   | Villavicencio APP                     | T                   |                               | I                | E                   | A/C                               |                               | I                |              |                  | *MSSR                    |
| Cerro Maco                                                  | Barranquilla ACC/APP                  | E/T                 |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  |                          |
| Cerro Verde (Rionegro)                                      | Rionegro ACC/APP                      | E/T                 |                               | I                | E                   | A/C                               |                               | I*               |              |                  |                          |
| El Dorado                                                   | Bogotá ACC/APP                        | E/T                 |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  |                          |
| El Dorado                                                   | Bogotá APP                            | T                   |                               | I                | T                   | A/C                               |                               | I*               |              |                  |                          |

| State (Territory)/Location<br>Estado (Territorio)/Ubicación | ATS Unit Served<br>Unidad ATS Servida             | PSR                 |                               |                  | SSR                 |                                   |                               |                  | ADS          |                  | Remarks<br>Observaciones |
|-------------------------------------------------------------|---------------------------------------------------|---------------------|-------------------------------|------------------|---------------------|-----------------------------------|-------------------------------|------------------|--------------|------------------|--------------------------|
|                                                             |                                                   | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A,C<br>or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                          |
| 1                                                           | 2                                                 | 3                   | 4                             | 5                | 6                   | 7                                 | 8                             | 9                | 10           | 11               | 12                       |
| Leticia                                                     | Bogotá ACC/APP                                    | E/T                 |                               | P                | E/T                 | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Marandua                                                    | Bogotá ACC/APP                                    | E/T                 |                               | P                | E/T                 | A/C                               |                               | P                |              |                  |                          |
| Riohacha                                                    | Barranquilla ACC/APP                              | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Pereira                                                     | Pereira APP                                       | T                   |                               | P                | T                   | A/C                               |                               | P*               |              |                  | *MSSR                    |
| S. J. Guaviare                                              | Bogotá ACC/APP                                    | E/T                 |                               | P                | E/T                 | A/C                               |                               | P                |              |                  |                          |
| San Andrés                                                  | San Andrés APP                                    | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Santa Ana                                                   | Cali ACC/APP                                      | E/T                 |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Tablazo                                                     | Bogotá ACC/APP                                    | E/T                 |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Tubará (Barranquilla)                                       | Barranquilla ACC/APP                              | T                   |                               | I                | E                   | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Villavicencio                                               | Villavicencio APP                                 | T                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| <b>COSTA RICA</b>                                           |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| El Coco                                                     | El Coco ACC<br>El Coco APP                        | E/T                 |                               | I                | E/T                 | A/C                               |                               | I                |              |                  |                          |
| <b>CUBA</b>                                                 |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Camagüey                                                    | Habana ACC<br>Camaguey APP                        | E                   |                               | I                | E/T                 | A/C                               |                               | I/P*             |              |                  | *MSSR                    |
| Holguín                                                     | Habana ACC<br>Santiago de Cuba TMA<br>Holguin APP | E                   |                               | I                | E/T                 | A/C                               |                               | I/P*             |              |                  | *MSSR                    |
| Menocal                                                     | Habana ACC<br>Habana APP                          | E/T                 |                               | I                | E/T                 | A/C                               |                               | I/P*             |              |                  | *MSSR                    |
| San Julián                                                  | Habana ACC                                        | E                   |                               | I                | E                   | A/C                               |                               | I/P*             |              |                  | *MSSR                    |
| Sta. Clara                                                  | Habana ACC                                        | E                   |                               | I                | E                   | A/C                               |                               | I/P*             |              |                  | *MSSR                    |
| <b>DOMINICA</b>                                             |                                                   |                     |                               | NP               |                     |                                   |                               | NP               |              |                  |                          |
| <b>DOMINICAN REPUBLIC</b>                                   |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Barahona                                                    | Barahona APP                                      | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Puerto Plata                                                | Puerto Plata APP                                  | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Santo Domingo                                               | Santo Domingo ACC<br>Santo Domingo APP            | E/T                 |                               | I                | E/T                 | A/C                               |                               | I                |              |                  |                          |
| <b>ECUADOR</b>                                              |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Guayaquil                                                   | Guayaquil ACC<br>Guayaquil APP                    | E/T                 |                               | I                | E                   | A/C                               |                               | P*               |              |                  | * 2000                   |
| Quito APP                                                   | Quito APP                                         | T                   |                               | I                | T                   | A/C                               |                               | I/P*             |              |                  | * 2000                   |
| <b>EL SALVADOR</b>                                          |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| El Salvador                                                 | El Salvador APP                                   | T                   |                               | I                | T                   | A/C                               |                               | I*               |              |                  | * MSSR                   |
| <b>FRENCH ANTILLES<br/>(France)</b>                         |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| Fort-de-France                                              | Fort-de-France APP                                |                     |                               |                  | T                   | A/C                               |                               | I                |              |                  |                          |
| Pointe-à-Pitre                                              | Point-à-Pitre APP                                 | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| <b>GRENADA</b>                                              |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
|                                                             | Point Salines APP                                 |                     |                               |                  |                     |                                   |                               | N/P              |              |                  |                          |
| <b>GUATEMALA</b>                                            |                                                   |                     |                               |                  |                     |                                   |                               |                  |              |                  |                          |
| C. Guatemala                                                | La Aurora APP                                     | T                   |                               | I                | T                   | A/C                               |                               | I/P*             |              |                  |                          |

| State (Territory)/Location<br>Estado (Territorio)/Ubicación | ATS Unit Served<br>Unidad ATS Servida    | PSR                 |                               |                  | SSR                 |                                   |                               |                  | ADS          |                  | Remarks<br>Observaciones |
|-------------------------------------------------------------|------------------------------------------|---------------------|-------------------------------|------------------|---------------------|-----------------------------------|-------------------------------|------------------|--------------|------------------|--------------------------|
|                                                             |                                          | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A,C<br>or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                          |
| 1                                                           | 2                                        | 3                   | 4                             | 5                | 6                   | 7                                 | 8                             | 9                | 10           | 11               | 12                       |
| <b>GUYANA</b>                                               | Georgetown ACC                           |                     |                               |                  |                     |                                   |                               | N/P              |              |                  |                          |
| <b>HAITI</b>                                                | Port-au-Prince ACC<br>Port-au-Prince APP |                     |                               |                  | E/T                 | A/C                               |                               | P*               |              |                  | *MSSR                    |
| <b>HONDURAS</b><br>San Pedro Sula                           | La Mesa APP                              | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| <b>JAMAICA</b><br>Kingston                                  | Kingston ACC<br>Kingston APP             | E/T                 |                               | I                | E                   | A/C                               |                               | I/P*             |              |                  | *MSSR                    |
| Montego Bay                                                 | Montego Bay APP                          | T                   |                               | P                | T                   | A/C                               |                               | P*               |              |                  | *MSSR                    |
| <b>MEXICO</b><br>Acapulco                                   | Acapulco APP                             | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Cancún                                                      | Cancún APP                               | T                   |                               | I                | T                   | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Guadalajara                                                 | Guadalajara APP                          | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Mazatlán                                                    | Mazatlán ACC                             |                     |                               |                  | E                   | A/C                               |                               | I                |              |                  |                          |
| Mérida                                                      | Mérida ACC<br>Merida APP                 | E                   |                               | I                | E                   | A/C                               |                               | I*               |              |                  | *MSSR                    |
| México, D.F.                                                | México ACC<br>Mexico APP                 | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| Monterrey                                                   | Monterrey ACC<br>Monterrey APP           | E                   |                               | I                | E                   | A/C                               |                               | I*               |              |                  | *MSSR                    |
| Puerto Vallarta                                             | Puerto Vallarta APP                      | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| Tijuana                                                     | Tijuana APP                              | T                   |                               | I                | T                   | A/C                               |                               | I                |              |                  |                          |
| <b>MONSERRAT (United Kingdom)</b>                           |                                          |                     |                               |                  |                     |                                   |                               | N/P              |              |                  |                          |
| <b>NETHERLANDS ANTILLES (Netherlands)</b><br>Willemstad     | Curaçao ACC<br>Curaçao APP               | E                   |                               | P                | E                   | A/C                               |                               | P*               |              |                  | *MSSR                    |
| Saint Maarten                                               | Juliana APP                              | T                   |                               | P                | T                   | A/C                               |                               | P                |              |                  |                          |
| <b>NICARAGUA</b>                                            | Managua APP                              |                     |                               |                  |                     |                                   |                               |                  | N/P          |                  |                          |
| <b>PANAMA</b><br>Panamá                                     | Panamá ACC<br>Panamá APP                 |                     |                               |                  | E                   | A/C                               |                               | I*               |              |                  | *MSSR                    |
| <b>PERU</b><br>Arequipa                                     | Arequipa APP                             | T                   |                               | P                |                     |                                   |                               | R                |              |                  |                          |
| Cusco                                                       | Cusco APP                                | T                   |                               | P                |                     |                                   |                               | R                |              |                  |                          |
| Iquitos                                                     | Iquitos APP                              | T                   |                               | P                |                     |                                   |                               | R                |              |                  |                          |

| State (Territory)/Location<br>Estado (Territorio)/Ubicación    | ATS Unit Served<br>Unidad ATS Servida | PSR                 |                               |                  | SSR                 |                                   |                               |                  | ADS          |                  | Remarks<br>Observaciones                                                                        |
|----------------------------------------------------------------|---------------------------------------|---------------------|-------------------------------|------------------|---------------------|-----------------------------------|-------------------------------|------------------|--------------|------------------|-------------------------------------------------------------------------------------------------|
|                                                                |                                       | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A,C<br>or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                                                                                                 |
| 1                                                              | 2                                     | 3                   | 4                             | 5                | 6                   | 7                                 | 8                             | 9                | 10           | 11               | 12                                                                                              |
| Lima                                                           | Lima ACC<br>Lima APP                  |                     |                               |                  | E                   | A/C                               | **                            | I*               |              |                  | *MSSR; Se recomienda ampliar la cobertura de la FIR                                             |
| <b>PUERTO RICO<br/>(United States)</b><br>San Juan             | San Juan ACC<br>San Juan APP          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                                                                                                 |
| <b>SAINT KITTS AND NEVIS</b>                                   |                                       |                     |                               |                  |                     |                                   |                               | NP               |              |                  |                                                                                                 |
| <b>SAINT LUCIA</b>                                             | Santa Lucia APP                       |                     |                               |                  |                     |                                   |                               | NP*              |              |                  | *Radar data sharing with Martinique is planned. / Proyecto compartir datos radar con Martinica. |
| <b>SAINT VINCENT AND THE GRENADINES</b>                        | E.T.Joshua APP                        |                     |                               |                  |                     |                                   |                               | NP               |              |                  |                                                                                                 |
| <b>SURINAME</b>                                                |                                       |                     |                               |                  |                     |                                   |                               | NP               |              |                  |                                                                                                 |
| <b>TRINIDAD AND TOBAGO</b><br>Piarco (15 NM north)             | Piarco ACC<br>Piarco APP              | E/T                 |                               | I                | E/T                 | A/C                               |                               | I*               |              |                  | *MSSR                                                                                           |
| <b>TURKS AND CAICOS IS.<br/>(United Kingdom)</b><br>Grand Turk | Miami ACC                             |                     |                               |                  | E                   | A/C                               |                               | I                |              |                  |                                                                                                 |
| <b>URUGUAY</b><br>Carrasco                                     | Montevideo ACC<br>Carrasco APP        | E/T                 | 80                            | I                | E/T                 | A/C                               | 180                           | I/P*             |              |                  | *Broadening of MSSR coverage is planned. / Planificado ampliar la cobertura                     |
| Durazno                                                        | Montevideo ACC<br>Carrasco APP        |                     |                               |                  | E/T                 | A/C                               | 256                           | P*               |              |                  | *MSSR                                                                                           |
| <b>VENEZUELA</b><br>Barquisimeto                               | Barquisimeto APP                      | T                   | 60                            | I                | T                   | A/C                               | 200                           | I                |              |                  |                                                                                                 |
| Isla Margarita                                                 | Margarita APP                         | T                   | 60                            | I                | T                   | A/C                               | 200                           | I                |              |                  |                                                                                                 |
| Maiquetía                                                      | Maiquetía ACC                         | E                   | 60                            | I                | E                   | A/C                               | 200                           | I                |              |                  |                                                                                                 |
|                                                                | Maiquetia APP                         |                     |                               |                  |                     |                                   |                               |                  |              |                  |                                                                                                 |
| Maracaibo                                                      | Maracaibo APP                         | T                   | 60                            | I                | T                   | A/C                               | 200                           | I*               |              |                  | *MSSR                                                                                           |

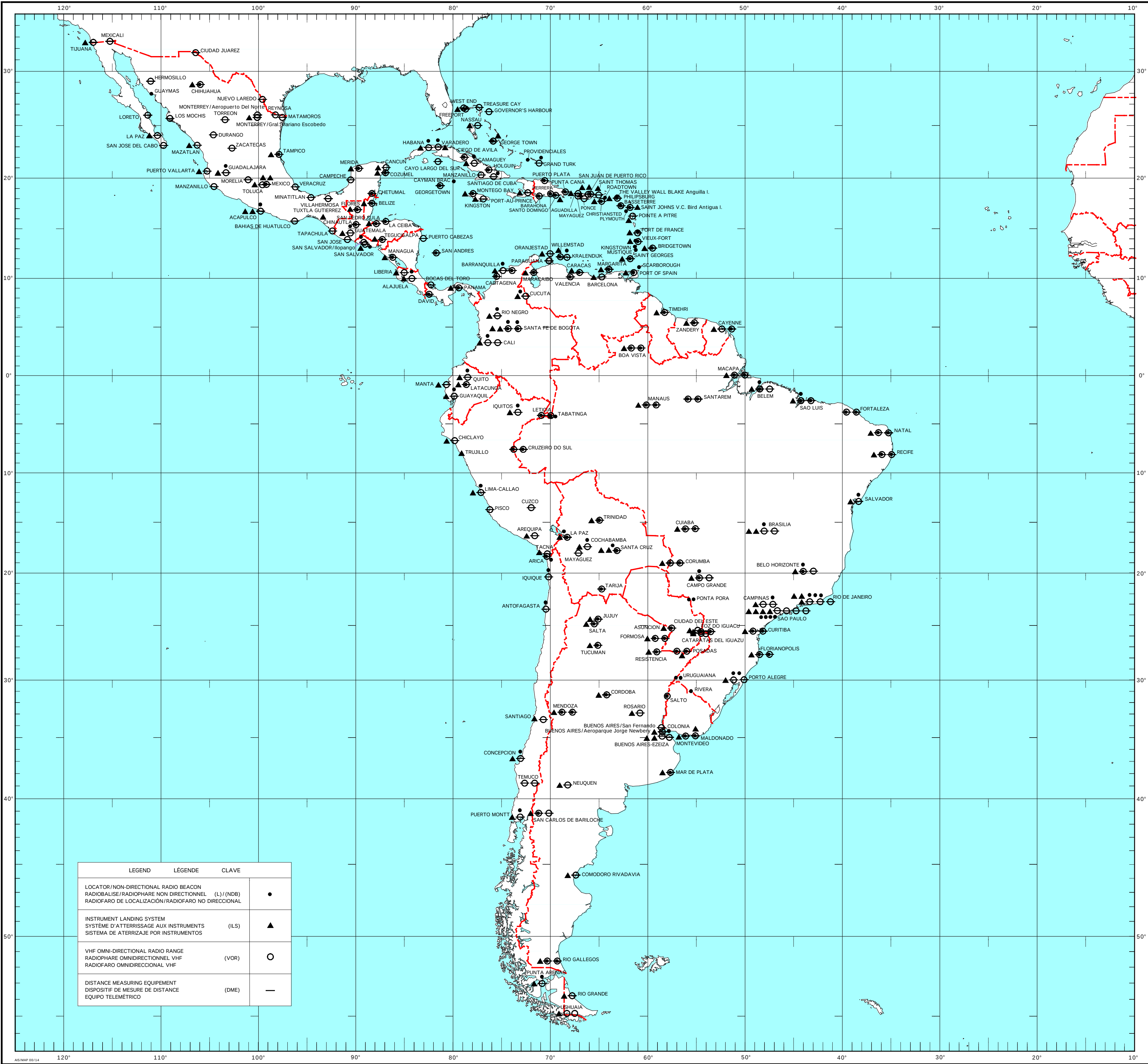
| State (Territory)/Location<br>Estado (Territorio)/Ubicación | ATS Unit Served<br>Unidad ATS Servida | PSR                 |                               |                  | SSR                 |                                   |                               |                  | ADS          |                  | Remarks<br>Observaciones |
|-------------------------------------------------------------|---------------------------------------|---------------------|-------------------------------|------------------|---------------------|-----------------------------------|-------------------------------|------------------|--------------|------------------|--------------------------|
|                                                             |                                       | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A,C<br>or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                          |
| 1                                                           | 2                                     | 3                   | 4                             | 5                | 6                   | 7                                 | 8                             | 9                | 10           | 11               | 12                       |
| <b>VIRGIN IS.<br/>(United Kingdom)</b>                      |                                       |                     |                               |                  |                     |                                   |                               | NP               |              |                  |                          |
| <b>VIRGIN IS. (United States)</b><br>Saint Thomas           | San Juan ACC                          | E                   |                               | I                | E                   | A/C                               |                               | I                |              |                  |                          |
| <b>COCESNA</b><br>Cerro Stgo, Guatemala                     | CENAMER ACC                           |                     |                               |                  | E                   | A/C                               | 245                           | I*               |              |                  | *MSSR                    |
| Mata de Caña, Costa Rica                                    | CENAMER ACC                           |                     |                               |                  | E                   | A/C                               | 245                           | I*               |              |                  | *MSSR                    |
| Puerto Cabezas,<br>Nicaragua                                | CENAMER ACC                           |                     |                               |                  | E                   | A/C                               | 245                           | P*               |              |                  | *MSSR                    |
| Roatán, Honduras                                            | CENAMER ACC                           |                     |                               |                  | E                   | A/C                               | 245                           | I*               |              |                  | *MSSR                    |
| Tegucigalpa, Honduras                                       | CENAMER ACC                           |                     |                               |                  | E                   | A/C                               | 245                           | I*               |              |                  | *MSSR                    |

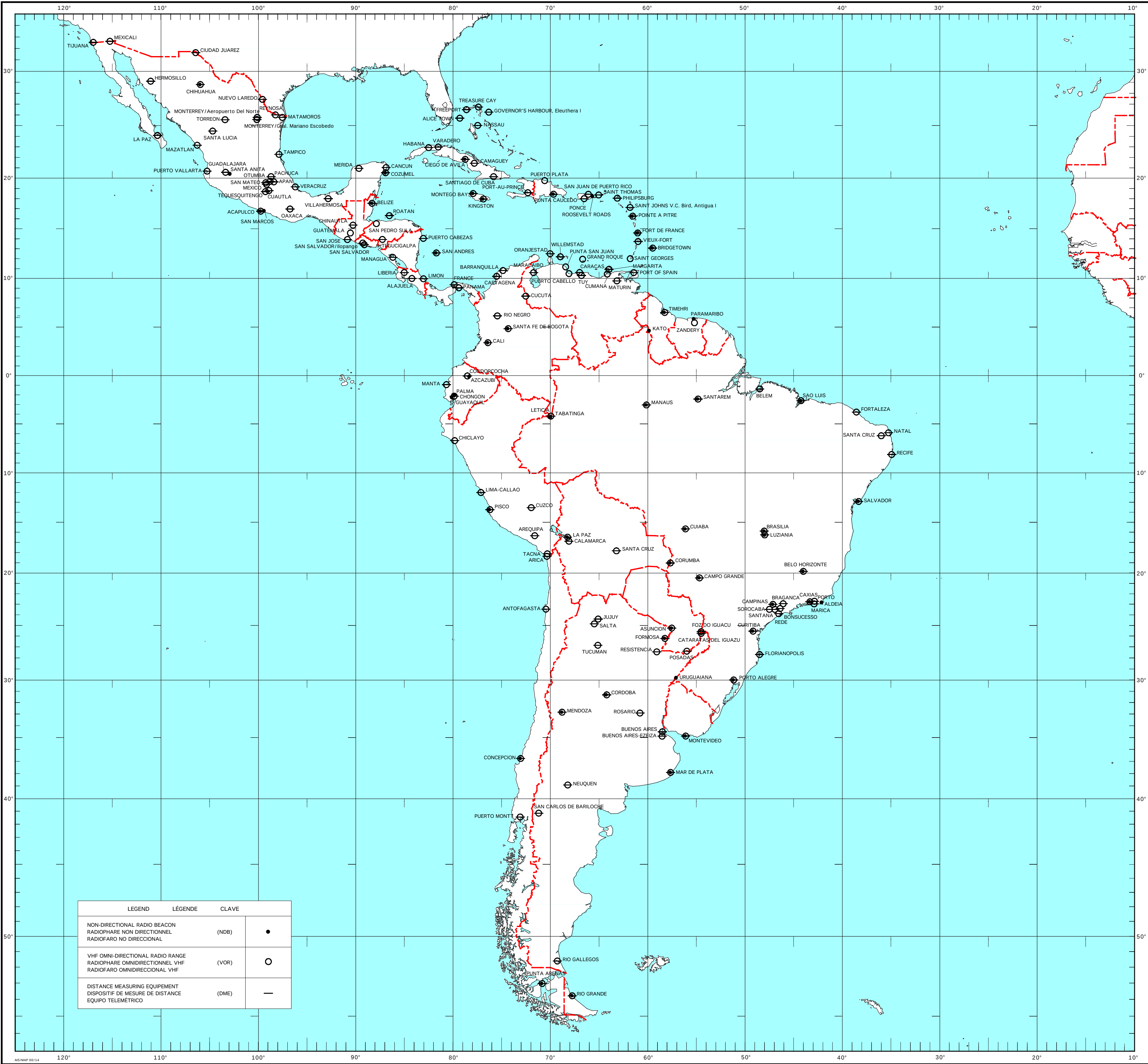
Table CNS 4A\* — Tableau CNS 4A\* — Tabla CNS 4A\*

**SURVEILLANCE SYSTEMS**  
**FRENCH TEXT**  
**SISTEMAS DE VIGILANCIA**

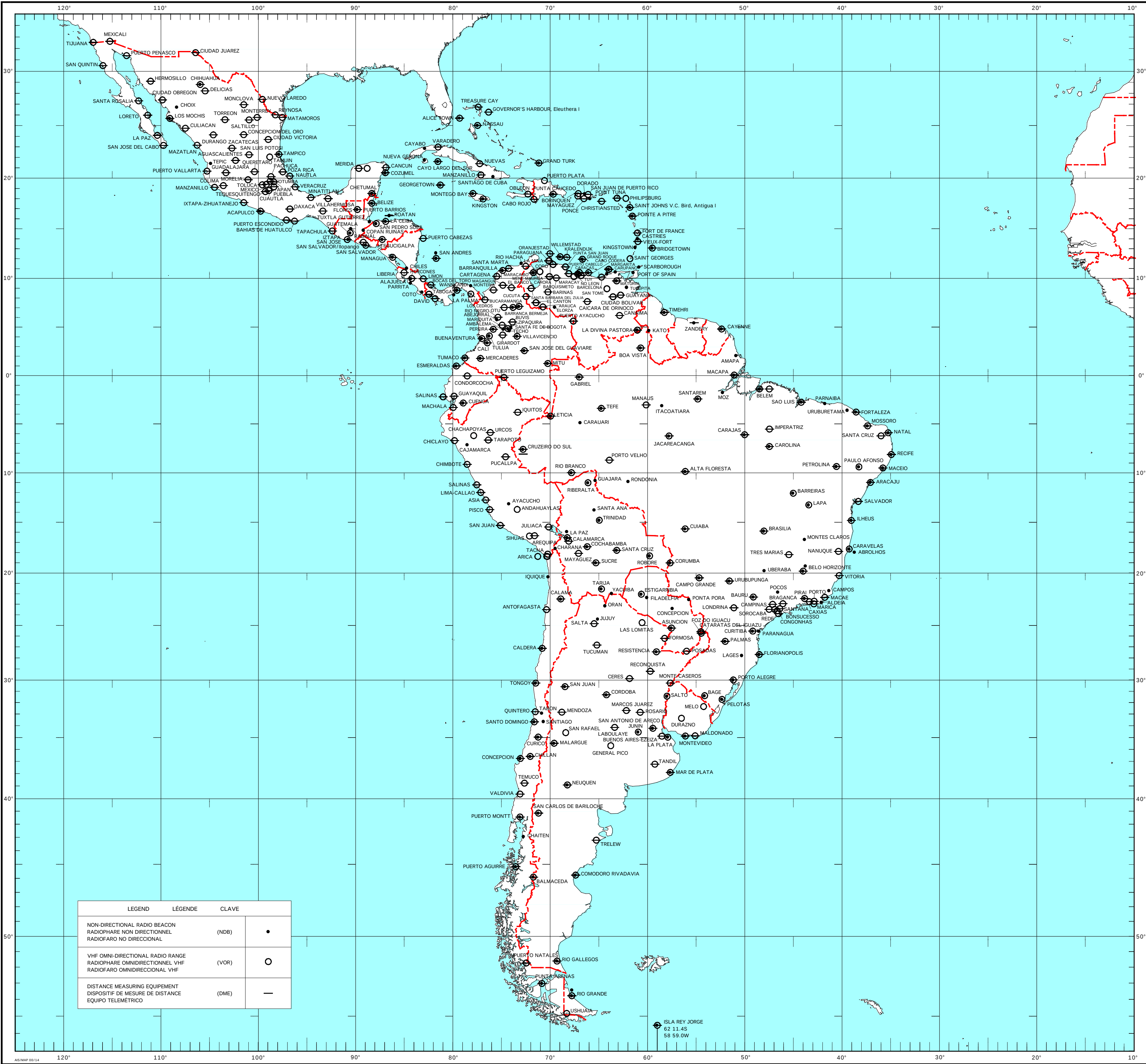
| State(Territory)/Location<br>Estado(Territorio)/Ubicación | ATS Unit served<br>Unidad ATS servida | PSR                 |                               |                  | SSR                 |                                 |                               |                  | ADS          |                  | Remarks<br>Observaciones |
|-----------------------------------------------------------|---------------------------------------|---------------------|-------------------------------|------------------|---------------------|---------------------------------|-------------------------------|------------------|--------------|------------------|--------------------------|
|                                                           |                                       | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A, C or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                          |
| 1                                                         | 2                                     | 3                   | 4                             | 5                | 6                   | 7                               | 8                             | 9                | 10           | 11               | 12                       |
| <b>BRAZIL</b>                                             |                                       |                     |                               |                  |                     |                                 |                               |                  |              |                  |                          |
| Barra do Garças                                           | Brasília ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Belém                                                     | Amazônico ACC                         | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Belém                                                     | Belém APP                             | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Boa Vista                                                 | Amazônico ACC                         | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Bom Jesus da Lapa                                         | Recife ACC                            |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2000           |
| Brasília (Gama)                                           | Brasília ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Brasília                                                  | Brasília APP                          | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Cachimbo                                                  | Amazônico ACC                         |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Campinas                                                  | Campinas APP                          | T                   |                               | P                | T                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Canguçu                                                   | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Catanduvas                                                | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Chapada dos Guimarães                                     | Brasília ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Conceição do Araguaia                                     | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Confins                                                   | Belo Horizonte APP                    | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Cruzeiro do Sul                                           | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Curitiba (Morro de Igreja)                                | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
|                                                           | Brasília ACC                          |                     |                               |                  |                     |                                 |                               |                  |              |                  |                          |
| Curitiba                                                  | Curitiba APP                          | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Dianópolis                                                | Amazônico ACC                         |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Eirunepé                                                  | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Fernando de Noronha                                       | Recife ACC                            |                     |                               |                  | E                   | A/C                             |                               | I                |              |                  |                          |
| Fortaleza                                                 | Recife ACC                            | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Fortaleza                                                 | Fortaleza APP                         | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Foz do Iguaçu                                             | Foz do Iguaçu APP                     | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Guajará - Mirim                                           | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Guarulhos                                                 | São Paulo APP                         | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Imperatriz                                                | Amazônico ACC                         |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Jacareacanga                                              | Amazonico ACC                         |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Jaraguari                                                 | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Macapá                                                    | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Maceió                                                    | Recife ACC                            | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Manaus (E. Gomes)                                         | Amazônico ACC                         | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Manaus (E. Gomes)                                         | Manaus APP                            | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Natal                                                     | Recife ACC                            | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Natal                                                     | Natal APP                             | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Petrolina                                                 | Recife ACC                            |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 1999           |
| Pico do Couto                                             | Brasília ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Porto Espiridião                                          | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Porto Alegre                                              | Porto Alegre APP                      | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Porto Seguro                                              | Recife ACC                            | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2000           |

| State(Territory)/Location<br>Estado(Territorio)/Ubicación | ATS Unit served<br>Unidad ATS servida | PSR                 |                               |                  | SSR                 |                                 |                               |                  | ADS          |                  | Remarks<br>Observaciones |
|-----------------------------------------------------------|---------------------------------------|---------------------|-------------------------------|------------------|---------------------|---------------------------------|-------------------------------|------------------|--------------|------------------|--------------------------|
|                                                           |                                       | Function<br>Función | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Function<br>Función | Modes<br>Modos<br>(A, C or/o S) | Coverage<br>Cobertura<br>(NM) | Status<br>Estado | Type<br>Tipo | Status<br>Estado |                          |
| 1                                                         | 2                                     | 3                   | 4                             | 5                | 6                   | 7                               | 8                             | 9                | 10           | 11               | 12                       |
| Porto Velho                                               | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Recife                                                    | Recife ACC                            | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Recife                                                    | Recife APP                            | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Rio Branco                                                | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Rio de Janeiro (Galeao)                                   | Rio APP                               | T                   |                               | I                | T                   | A/C                             |                               | I/P*             |              |                  | *MSSR < - 2003           |
| S. Félix do Xingu                                         | Amazônico ACC                         |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Salvador                                                  | Recife ACC                            | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Salvador                                                  | Salvador APP                          | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| Santarém                                                  | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Santiago                                                  | Curitiba ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| São Gabriel da Cachoeira                                  | Amazônico ACC                         | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| São Luís                                                  | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| São Paulo                                                 | São Paulo APP                         | T                   |                               | I                | T                   | A/C                             |                               | I                |              |                  |                          |
| São Roque                                                 | Brasília ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
|                                                           | Curitiba ACC                          |                     |                               |                  |                     |                                 |                               |                  |              |                  |                          |
| Sinop                                                     | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Tabatinga                                                 | Amazônico ACC                         | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Tanabi                                                    | Brasília ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
|                                                           | Curitiba ACC                          |                     |                               |                  |                     |                                 |                               |                  |              |                  |                          |
| Tefé                                                      | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Tiríós                                                    | Amazônico ACC                         |                     |                               |                  | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |
| Três Marias                                               | Brasília ACC                          | E                   |                               | I                | E                   | A/C                             |                               | I                |              |                  |                          |
| Vilhena                                                   | Amazônico ACC                         | E                   |                               | P                | E                   | A/C                             |                               | P*               |              |                  | *MSSR < - 2003           |





| LEGEND                                                                                               | LÉGENDE | CLAVE |
|------------------------------------------------------------------------------------------------------|---------|-------|
| NON-DIRECTIONAL RADIO BEACON<br>RADIOPHARE NON DIRECTIONNEL<br>RADIOFARO NO DIRECCIONAL              | (NDB)   | ●     |
| VHF OMNI-DIRECTIONAL RADIO RANGE<br>RADIOPHARE OMNIDIRECTIONNEL VHF<br>RADIOFARO OMNIDIRECCIONAL VHF | (VOR)   | ○     |
| DISTANCE MEASURING EQUIPMENT<br>DISPOSITIF DE MESURE DE DISTANCE<br>EQUIPO TELEMÉTRICO               | (DME)   | —     |



| LEGEND                                                                                               | LÉGENDE | CLAVE |
|------------------------------------------------------------------------------------------------------|---------|-------|
| NON-DIRECTIONAL RADIO BEACON<br>RADIOPHARE NON DIRECTIONNEL<br>RADIOFARO NO DIRECCIONAL              | (NDB)   | •     |
| VHF OMNI-DIRECTIONAL RADIO RANGE<br>RADIOPHARE OMNIDIRECTIONNEL VHF<br>RADIOFARO OMNIDIRECCIONAL VHF | (VOR)   | ○     |
| DISTANCE MEASURING EQUIPMENT<br>DISPOSITIF DE MESURE DE DISTANCE<br>EQUIPO TELEMÉTRICO               | (DME)   | —     |

## Part V

# AIR TRAFFIC MANAGEMENT (ATM) — FASID

### INTRODUCTION

1. The Standards, Recommended Practices and procedures to be applied and related guidance material are as listed in paragraph 1, Part V — ATM of the Caribbean/South American (CAR/SAM) Basic ANP. The material in this part complements that contained in Part I — Statement of Basic Operational Requirements and Planning Criteria of the Basic ANP and should be taken into consideration in the overall planning processes for the CAR/SAM regions.

2. This part contains the details of the facilities and/or services to be provided to fulfil the basic requirements of the plan and are as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. This element of the FASID, in conjunction with the CAR/SAM Basic ANP, is kept under constant review by the GREPECAS in accordance with its schedule of management, in consultation with user and provider States and with the assistance of the ICAO North American, Central American and Caribbean (NACC) and the South American (SAM) Regional Offices.

3. For reasons of both economy and efficiency, it is necessary to ensure that differences in the development and implementation of the emerging ATM systems in the CAR/SAM regions does not result in incompatibilities. In view of the above, the evolution of ATM in the CAR/SAM regions, including the transition from conventional systems, has been carefully planned and generally outlined in the ATM Evolution Tables at Appendix A to the FASID. This approach was taken in order to ensure that the present levels of safety are not compromised and to allow a progressive improvement to the air navigation system, taking due account of cost/benefit ratios.

### SSR CODE ALLOTMENT PLAN

4. The revised Caribbean and South American Code Allotment Plan at Appendix B should constitute the plan for SSR code allotment for the CAR/SAM regions.  
[CAR/SAM/3, Rec. 5/19]

## Appendix A

### ATM Evolution Tables

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 1

|                        |                                        |                                                                                                                                                                                                                                                                                                                                                   |  |  |
|------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 1. Traffic flow        | Buenos Aires – Santiago de Chile (AH1) | 5. Current operational situation                                                                                                                                                                                                                                                                                                                  |  |  |
| 2. Airspace            | Continental                            | C 10 min longitudinal separation<br>C Standard vertical separation<br>C Conventional lateral separation according to SARPs<br>C RNAV/ATS conventional routes<br>C Radar surveillance partially available<br>C Satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |  |  |
| 3. Traffic density (5) | Low                                    |                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 4. FIRs involved       | Ezeiza, Mendoza and Santiago           |                                                                                                                                                                                                                                                                                                                                                   |  |  |

|                                                                    |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | —               | C Implemented                                                                                                                                                                                                          |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                       |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2002            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2006            | C Corresponding SARPs not available for this separation                                                                                                                                                                |

| 13. Spacing between ATS tracks/routes                   |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 100 NM minimum (non radar environment)                | C RNP 20 certification<br>C DCPC voice (3)                               | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                             | —               | C Non applicable in this flow                                                                                                                                                                                                                                |
| C 60 NM minimum (non radar environment)                 | C RNP 12.6 certification<br>C DCPC voice (3)                             | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                           | —               | C Non applicable in this flow                                                                                                                                                                                                                                |
| C 50 NM minimum (non radar environment)                 | C RNP 10 certification<br>C DCPC voice (3)                               | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                             | 2002            |                                                                                                                                                                                                                                                              |
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2006            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV                                                                                | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |

| 16. Air traffic flow management (ATFM) |             |                                             |      |                                                                                                                                                                                  |
|----------------------------------------|-------------|---------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C FMU                                  | C Data link | C Automation<br>C Voice and data com. (ICC) | 2008 | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                     |
| C ATFM                                 | C Data link | C Automation<br>C Voice and data com. (ICC) | 2010 | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services , radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link .
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS – EN-ROUTE OPERATIONS — TABLE 2

|                        |                                           |                                                                                                                                       |
|------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Buenos Aires – Sao Paulo/Rio de Janeiro   | 5. Current operational situation                                                                                                      |
| 2. Airspace            | Continental                               | C 10 min longitudinal separation<br>C Standard vertical separation<br>C Conventional lateral separation according to SARPs            |
| 3. Traffic density (5) | Low                                       | C RNAV/ATS conventional routes<br>C Radar surveillance available                                                                      |
| 4. FIRs involved       | Ezeiza, Montevideo, Curitiba and Brasilia | C Satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2003            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil /military agreement for flexible use of airspace will be required                                   |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | —               | C Implemented                                                                                                                                                                                                          |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                       |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2002            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2005            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2002            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2005            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                             |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate nav infrastructure                                                                 | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                                 |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate nav infrastructure                         | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                                 |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                 |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                 |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                                  |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br><br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                                  |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reservations, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                                  |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                     |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                 |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 3

|                        |                                                                          |                                                                                                                                       |
|------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Santiago de Chile – Sao Paulo/Rio de Janeiro (AH1)                       | 5. Current operational situation                                                                                                      |
| 2. Airspace            | Continental                                                              | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C Conventional lateral separation according to SARPs     |
| 3. Traffic density (5) | Low                                                                      | C RNAV/ATS conventional routes<br>C Radar surveillance partially available                                                            |
| 4. FIRs involved       | Santiago, Mendoza, Cordoba, Resistencia, Asuncion, Curitiba and Brasilia | C Satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                              | 8. Minimum ground requirement services                                                                                                 | 9<br>Imp. date  | 10<br>Remarks                                                                                                                                                                                                          |
|--------------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3) | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3) | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2000            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2002            |                                                                                                                                                                                                                        |
| 13. Spacing between ATS tracks/ routes                             |                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2002            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C RNP 4 certification<br>C DCPC voice and data<br>C ADS       | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                              | 2006            | C Corresponding SARPs not available for this spacing                                                                                                                                                                   |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br><br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                       |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 or more aircraft operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 4

|                        |                                         |                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Sao Paulo/Rio de Janeiro – Europe (AH1) | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                |
| 2. Airspace            | Continental/Oceanic                     | C 10 min longitudinal separation<br>C Standard vertical separation<br>C Continental conventional lateral separation according to SARPs<br>C 100 NM lateral oceanic separation<br>C ATS conventional routes<br>C Radar surveillance partially available<br>C Satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                     |                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4. FIRs involved       | Brasilia, Recife (Dakar – AFI)          |                                                                                                                                                                                                                                                                                                                                                                                                 |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 1999 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | —               | C Implemented                                                                                                                                                                                                          |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Implemented without RNP certification/publication                                                                                                                                                                    |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 1999            | C According to plan in preparation by South Atlantic (SAT) group of States                                                                                                                                             |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2006            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |      |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008 | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 |      | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         |      | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |      | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |      | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |      |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | 2004 | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)<br>C Planning elaborated by South Atlantic (SAT) group of States                                                                                                          |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |      |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | 2006 | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |      |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008 | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010 | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 5

|                        |                                       |                                                                                                                                       |
|------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Sao Paulo/Rio de Janeiro – Lima (AH3) | 5. Current operational situation                                                                                                      |
| 2. Airspace            | Continental                           | C 10 min longitudinal separation<br>C Standard vertical separation<br>C Conventional lateral separation according to SARPs            |
| 3. Traffic density (5) | Low                                   | C ATS conventional routes<br>C Radar surveillance partially available                                                                 |
| 4. FIRs involved       | Brasilia, Curitiba, La Paz and Lima   | C Satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | —               | C Implemented                                                                                                                                                                                                          |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2002            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2006            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2002            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2006            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | 2008            | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC<br>C Com. with military units<br>C Civil/military coordination<br>C Automation             | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 6

|                        |                                                                                                 |                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Santiago – Lima – Los Angeles                                                                   | 5. Current operational situation                                                                                                      |
| 2. Airspace            | Oceanic                                                                                         | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C 120 NM oceanic lateral separation                      |
| 3. Traffic density (5) | Low                                                                                             | C RNAV/ ATS conventional routes<br>C Radar surveillance partially available                                                           |
| 4. FIRs involved       | Santiago, Antofagasta, Lima, Guayaquil, Central America, Merida, Mexico, Mazatlan (Los Angeles) | C Satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2003            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2006            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 7

|                        |                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Santiago – Lima – Miami (AH4)                                                                    | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                                     |
| 2. Airspace            | Continental/Oceanic                                                                              | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C Conventional lateral separation according to SARPs<br>C 90 and 100 NM oceanic lateral separation<br>C ATS conventional routes and RNAV<br>C Radar surveillance partially available<br>C Partially satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 4. FIRs involved       | Santiago, Antofagasta, Lima, Guayaquil, Bogota, Barranquilla, Panama, Kingston, Habana and Miami |                                                                                                                                                                                                                                                                                                                                                                                                                      |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation between FIRs limits                                                                                                                                                                             |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444, its implementation is possible at any moment, at the discretion of States.                                                                                                     |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2003            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Implemented in oceanic area<br>C RNP certification/publication pending                                                                                                                                               |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2003            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPs not available for this spacing.                                                                                                                                                                                                        |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure<br>C Ground-ground speech com./AIDC (3)                         | To be developed | C Non applicable in oceanic or remote area<br>C *Procedures are contained in Doc 4444. its implementation is possible at any moment, at the discretion of States.                                                                                            |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. its implementation is possible at any moment, at the discretion of States.                                                                                             |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. its implementation is possible at any moment, at the discretion of States.                                                           |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. its implementation is possible at any moment, at the discretion of States.                                                           |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of the airspace                 | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 8

|                        |                                                                                                                 |                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Sao Paulo/Rio de Janeiro – Los Angeles (AH 3)                                                                   | 5. Current operational situation                                                                                                                |
| 2. Airspace            | Continental                                                                                                     | C 10 and 15 min longitudinal separation<br>C Standard vertical separation                                                                       |
| 3. Traffic density (5) | Low                                                                                                             | C Conventional lateral separation according to SARPs<br>C RNAV/ATS conventional routes<br>C Radar surveillance partially available              |
| 4. FIRs involved       | Brasilia, Porto Velho, Bogota, Barranquilla, Panama, Central America, Merida, Mexico and Mazatlan (Los Angeles) | C Partially satisfactory ATS speech communication coordinations<br>C Satisfactory ams communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation between FIRs limits                                                                                                                                                                             |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information*                    | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2003            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2003            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure<br>C Ground-ground speech com./AIDC (3)                         | To be developed | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                                                             |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech COM.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 9

|                        |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Sao Paulo/Rio de Janeiro – Miami (AH 2)                                                      | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. Airspace            | Continental/Oceanic                                                                          | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C Conventional continental lateral separation according to SARPs<br>C 90 and 100 NM lateral separation<br>C ATS conventional routes/RNAV routes<br>C Radar surveillance partially available<br>C partially satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. FIRs involved       | Brasilia, Manaus, Maiquetia, Curacao, Kingston, Santo Domingo, Port-au-Prince, Habana, Miami |                                                                                                                                                                                                                                                                                                                                                                                                                             |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                         |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                     |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                     |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                     |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                               |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                   |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2003            |                                                                                                                                                                                     |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPS not available for this separation                                                                                                                             |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Implemented in oceanic area<br>C RNP certification/publication pending                                                                                                            |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | —               | C Non applicable in this flow                                                                                                                                                       |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2003            |                                                                                                                                                                                     |
| C 30 NM minimum (non radar environment)                            | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                       | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                              | 2006            | C Corresponding SARPs not available for this spacing                                                                                                                                |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br><br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                       |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 or more aircraft operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 10

|                        |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Sao Paulo/Rio de Janeiro – New York (AH 2)                               | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                                            |
| 2. Airspace            | Continental/Oceanic                                                      | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C conventional continental lateral separation according to SARPs<br>C 90 and 100 NM lateral separation<br>C ATS conventional routes/RNAV routes<br>C Radar surveillance partially available<br>C Partially satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4. FIRs involved       | Brasilia, Belem, Paramaribo, Georgetown, Piarco and San Juan (New York ) |                                                                                                                                                                                                                                                                                                                                                                                                                             |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Partially implemented<br>C RNP certification/publication pending                                                                                                                                                     |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2003            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2006            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure<br>C Ground-ground speech com./AIDC (3)                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 or more aircraft operate at a given time within a circling having a radius of 250 M N.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 11

|                        |                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Buenos Aires – New York (AH 4)                                                                                                   | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                                |
| 2. Airspace            | Continental/Oceanic                                                                                                              | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C Conventional continental lateral separation according to SARPs<br>C 90 and 100 NM lateral separation<br>C ATS conventional routes<br>C Radar surveillance partially available<br>C Partially satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4. FIRs involved       | FIRs involved<br>Ezeiza, Resistencia, Asuncion, La Paz, Porto Velho, Manaus, Maiquetia, Curacao, Santo Domingo, Miami (New York) |                                                                                                                                                                                                                                                                                                                                                                                                                 |

| 6. ATM evolution                                                  | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                             |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                              | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                               | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separation between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                  | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                      | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                           | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                           | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between tracks/ATS routes                             |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                          | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Partially implemented<br>C RNP certification/publication pending                                                                                                                                                     |
| C 60 NM minimum (non radar environment)                           | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2003            | C Non applicable in this flow                                                                                                                                                                                          |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 50 NM minimum (non radar environment)                 | C RNP 10 certification<br>C DCPC voice (3)                               | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                             | 2006            |                                                                                                                                                                                                                                                              |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure<br>C Ground-ground speech com./AIDC (3)                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (Radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (Radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required -*Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                               |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — TABLE 12

|                        |                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Buenos Aires – Miami (AH 4)                                                                       | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                                |
| 2. Airspace            | Continental/Oceanic                                                                               | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C conventional continental lateral separation according to SARPs<br>C 90 and 100 NM lateral separation<br>C ATS conventional routes<br>C Radar surveillance partially available<br>C Partially satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4. FIRs involved       | Ezeiza, Resistencia, Cordoba, La Paz, Porto Velho, Bogota, Barranquilla, Kingston, Habana (Miami) |                                                                                                                                                                                                                                                                                                                                                                                                                 |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information*                    | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                                       |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2003            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2006            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Partially implemented<br>C RNP certification/publication pending                                                                                                                                                     |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | —               | C Non applicable in this flow                                                                                                                                                                                          |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2003            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2006            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure<br>C Ground-ground speech com./AIDC (3)                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 13

|                        |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | North of South America – Europe (AH 5)      | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                                      |
| 2. Airspace            | Continental/Oceanic                         | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C Conventional continental lateral separation according to SARPs<br>C 90 , 100 and 120 NM lateral separation<br>C ATS conventional routes<br>C Radar surveillance partially available<br>C Partially satisfactory ATS speech communication coordinations<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                         |                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 4. FIRs involved       | Guayaquil, Bogota, Maiquetia, Piarco, (EUR) |                                                                                                                                                                                                                                                                                                                                                                                                                       |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2005            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil /military agreement for flexible use of airspace will be required                                   |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information*                    | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/ routes                             |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2001            | C Partially implemented                                                                                                                                                                                                |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2003            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2006            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure<br>C Ground-ground speech com./AIDC (3)                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Non applicable in oceanic or remote area<br>C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States               |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Non applicable in oceanic or remote area<br>C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States               |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 14

|                        |                                    |                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Mexico – Europe (AH 6))            | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                                           |
| 2. Airspace            | Continental/Oceanic                | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C Conventional continental lateral separation according to SARPs<br>C 90 , 100 and 120 NM lateral separation<br>C ATS conventional routes<br>C Radar surveillance partially available<br>C Satisfactory ATS speech communication coordination<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                |                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4. FIRs involved       | Mexico, Merida, Hbana, Miami (EUR) |                                                                                                                                                                                                                                                                                                                                                                                                            |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between tracks/ATS routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Partially implemented<br>C RNP certification/publication pending                                                                                                                                                     |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2003            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2006            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1000 ft between FL290 and 410                    | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 15

|                        |                                     |                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Mexico – North America (AH 3)       | 5. Current operational situation                                                                                                                                                                                                                                                                                                                                                              |
| 2. Airspace            | Continental/Oceanic                 | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C conventional continental lateral separation according to SARPs<br>C 100 NM lateral separation<br>C ATS conventional routes<br>C Radar surveillance partially available<br>C Satisfactory ATS speech communication coordination<br>C Satisfactory AMS communications<br>C New and old generation aircraft fleet |
| 3. Traffic density (5) | Low                                 |                                                                                                                                                                                                                                                                                                                                                                                               |
| 4. FIRs involved       | Mexico, Monterrey (Houston – Miami) |                                                                                                                                                                                                                                                                                                                                                                                               |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. Tracks/ATS routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between tracks/ATS routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Implemented<br>C RNP certification/publication pending                                                                                                                                                               |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2003            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2006            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure<br>C Ground-ground speech com./AIDC (3)                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         | To be developed | C Non applicable in oceanic or remote area<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                                                               |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance | To be developed | C Safety of system must be evaluated, including volume of work of controller<br>C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States                                                             |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 or more aircraft operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 16

|                        |                                                                                           |                                                                                                                                                          |
|------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Central America – Europe (AH 6)                                                           | 5. Current operational situation                                                                                                                         |
| 2. Airspace            | Oceanic                                                                                   | C 10 and 15 min longitudinal separation<br>C Standard vertical separation<br>C 60, 90, 100 and 120 NM oceanic lateral separation                         |
| 3. Traffic density (5) | Low                                                                                       | C ATS conventional routes<br>C Radar surveillance partially available                                                                                    |
| 4. FIRs involved       | Central America, Panama, Kingston, Port au Prince, Curacao, Santo Domingo, San Juan (EUR) | C Partially satisfactory ATS speech communication coordination<br>C Partially satisfactory ams communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on board Requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. Tracks / ATS routes                                            |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2001            | C Harmonize separation at FIRs limits                                                                                                                                                                                  |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2006            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | 2008            | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between tracks/ATS routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | —               | C Partially implemented<br>C RNP publication/certification pending                                                                                                                                                     |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2003            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2006            |                                                                                                                                                                                                                        |

|                                                         |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum (non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | 2008            | C Corresponding SARPS not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C 16.5 minimum (unidirectional) (non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 10 and 15 NM (radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 8 and 12 NM (radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| 14. Reduced vertical separation minima                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1 000 ft between FL290 and 410                   | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                           |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                     | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                  |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                   | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                  | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 or more aircraft operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN-ROUTE OPERATIONS — TABLE 17

|                        |                                                  |                                                                                                                                                  |
|------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | South America – South Africa (AFI)               | 5. Current operational situation                                                                                                                 |
| 2. Airspace            | Oceanic                                          | C 30 min longitudinal separation<br>C Standard vertical separation<br>C 120 NM oceanic lateral separation                                        |
| 3. Traffic density (5) | Low                                              | C ATS conventional routes<br>C Radar surveillance unavailable                                                                                    |
| 4. FIRs involved       | Ezeiza, Montevideo, Brasilia, Johannesburg (AFI) | C Unsatisfactory ATS speech communication coordination<br>C Partially satisfactory AMS communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. Tracks / ATS routes                                            |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2003            |                                                                                                                                                                                                                        |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2008            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS presentation        | To be developed | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2003            |                                                                                                                                                                                                                        |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2006            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2008            |                                                                                                                                                                                                                        |

|                                                            |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum<br>(non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | To be developed | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional)<br>(non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C 16.5 minimum (unidirectional)<br>(non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 10 and 15 NM<br>(radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 8 and 12 NM<br>(radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| 14. Reduced vertical separation minima                     |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1000 ft between FL290 and 410                       | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                              |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                        | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                     |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                      | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                     | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

ATM EVOLUTION IN THE CAR/SAM REGIONS — EN ROUTE OPERATIONS — TABLE 18

|                        |                                                   |                                                                                                                                                  |
|------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Traffic flow        | Santiago de Chile – Easter Island – Papeete (PAC) | 5. Current operational situation                                                                                                                 |
| 2. Airspace            | Oceanic                                           | C 30 min longitudinal separation<br>C Standard vertical separation<br>C 120 NM oceanic lateral separation                                        |
| 3. Traffic density (5) | Low                                               | C ATS conventional routes<br>C Radar surveillance unavailable                                                                                    |
| 4. FIRs involved       | Santiago – Easter – Tahiti                        | C Unsatisfactory ATS speech communication coordination<br>C Partially satisfactory AMS communications<br>C New and old generation aircraft fleet |

| 6. ATM evolution                                                   | 7. Minimum on-board requirements                                              | 8. Minimum ground requirement services                                                                                                 | 9. Imp. date    | 10. Remarks                                                                                                                                                                                                            |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11. ATS tracks/routes                                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C Fixed RNAV routes                                                | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2000 (4)        | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military coordination for the location/redesign of prohibited and restricted zones will be required |
| C Random RNAV routes                                               | C RNAV capacity<br>C RNP 10 certification<br>C DCPC voice (3)                 | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2004            | C RNP certification and publication will depend on airspace and/or ATS routes concerned<br>C When necessary, civil/military agreement for flexible use of airspace will be required                                    |
| C Autonomous flight                                                | To be developed                                                               | To be developed                                                                                                                        | To be developed | C Concept being defined by ICAO                                                                                                                                                                                        |
| 12. Longitudinal separations between aircraft in ATS tracks/routes |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 10 min minimum                                                   | C NAV capacity according to airspace<br>C DCPC voice (3)                      | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C NAV AIDS or MNT application                                               | 2003            |                                                                                                                                                                                                                        |
| C 80 NM minimum RNAV (non radar environment)                       | C RNAV capacity<br>C DCPC voice (3)                                           | C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 60' maximum position information                     | —               | C Procedures are contained in Doc 4444. Its implementation is possible at any moment at the discretion of States.                                                                                                      |
| C 50 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 10 certification<br>C DCPC voice (3)                       | C RNP 10 publication<br>C DCPC voice (1)<br>C Ground-ground speech com. (3)<br>C MNT application<br>C 30' maximum position information | 2008            |                                                                                                                                                                                                                        |
| C 30 NM minimum (non radar environment)                            | C FMS (2)<br>C RNP 4 certification<br>C DCPC voice and data<br>C ADS capacity | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com. and AIDC<br>C MNT application<br>C ADS spacing             | To be developed | C Corresponding SARPs not available for this separation                                                                                                                                                                |
| 13. Spacing between ATS tracks/routes                              |                                                                               |                                                                                                                                        |                 |                                                                                                                                                                                                                        |
| C 100 NM minimum (non radar environment)                           | C RNP 20 certification<br>C DCPC voice (3)                                    | C RNP 20 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2003            |                                                                                                                                                                                                                        |
| C 60 NM minimum (non radar environment)                            | C RNP 12.6 certification<br>C DCPC voice (3)                                  | C RNP 12.6 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                      | 2006            |                                                                                                                                                                                                                        |
| C 50 NM minimum (non radar environment)                            | C RNP 10 certification<br>C DCPC voice (3)                                    | C RNP 10 publication<br>C DCPC voice (1) (3)<br>C Ground-ground speech com. (3)                                                        | 2002            |                                                                                                                                                                                                                        |

|                                                            |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
|------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C 30 NM minimum<br>(non radar environment)                 | C RNP 4 certification<br>C DCPC voice and data<br>C ADS                  | C RNP 4 publication<br>C DCPC voice and data<br>C Ground-ground speech com./AIDC<br>C ADS                                                   | To be developed | C Corresponding SARPs not available for this spacing                                                                                                                                                                                                         |
| C 18 NM minimum (bidirectional)<br>(non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Appropriate NAV infrastructure                                                                 |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C 16.5 minimum (unidirectional)<br>(non radar environment) | C RNP 4 certification<br>C VHF DCPC voice                                | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure                         |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 10 and 15 NM<br>(radar environment)              | C RNP 5 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 5 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| C Between 8 and 12 NM<br>(radar environment)               | C RNP 4 certification<br>C VHF DCPC voice<br>C SSR transponder           | C RNP 4 publication<br>C VHF DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Appropriate NAV infrastructure<br>C Radar surveillance |                 | C Non applicable in oceanic or remote area                                                                                                                                                                                                                   |
| 14. Reduced vertical separation minima                     |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C RVSM 1000 ft between FL290 and 410                       | C RVSM certification<br>C DCPC voice (3)                                 | C *Supervision of system performance<br>C DCPC voice (3)<br>C Ground-ground speech com.                                                     | To be developed | C Regional agreement required<br>C *Refer to RVSM implementation manual (Doc 9574)                                                                                                                                                                           |
| 15. Airspace management (ASM)                              |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C Enhanced flexible use of airspace                        | C Nav. capacity according to airspace<br>C DCPC voice (3)<br>C Data link | C DCPC voice<br>C Ground-ground speech com./AIDC (3)<br>C Com. with military units<br>C Civil/military coordination<br>C Automation         | To be developed | C Agreements are required to optimize the use of prohibited and restricted zones to achieve ATS routes as direct as possible<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |
| 16. Air traffic flow management (ATFM)                     |                                                                          |                                                                                                                                             |                 |                                                                                                                                                                                                                                                              |
| C FMU                                                      | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2008            | C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                                                                                 |
| C ATFM                                                     | C Data link                                                              | C Automation<br>C Voice and data com. (ICC)                                                                                                 | 2010            | C Centralized ATFM requires a regional agreement<br>C Database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc.                                                                             |

1. Speech communications through a third party (aeronautical telecommunications station) at the criterion of competent ATS authority on the basis of an evaluation of the impact of this communications method in the provision of ATS and the consequent effect of the safety of air operations within the airspace in question.
2. It is assumed that FMS availability includes RNAV capacity.
3. For air traffic services, radiotelephony will be used in air-ground and ground-ground communications and could be improved with data link.
4. Date refers to implementation of new RNAV routes with RNP requirements.
5. Traffic is considered to be of high density when 100 aircraft or more operate at a given time within a circling having a radius of 250 NM.

## ATM EVOLUTION IN THE CAR/SAM REGIONS — OPERATIONS IN TERMINAL AREAS (TMA)

*Note.— States should examine the situation of their terminal areas (TMA) in the areas relative to airspace management (ASM), air traffic services (ATS) and air traffic flow.*

| 1. ATM evolution in terminal areas                                   | 2. On-board requirements                                                    | 3. Ground requirements                                                                                                                        | 4. Implementation date (2) | 5. Remarks                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. Airspace management (ASM)                                         |                                                                             |                                                                                                                                               |                            |                                                                                                                                                                                                                                                                                             |
| Optimized sectorization                                              | C VHF DCPC voice                                                            | C VHF DCPC voice<br>C definition of sectorization, infrastructure and human resources                                                         | 2000                       |                                                                                                                                                                                                                                                                                             |
| Conventional SID/STAR implementation                                 | C VHF DCPC voice<br>C Conventional navigation capacity                      | C VHF DCPC voice<br>C Design/flight inspection/publication of procedures                                                                      | 2000                       | C SID/STARs are normally necessary at high traffic flow aerodromes and should be kept to the minimum possible taking into consideration the safe, orderly and fast air traffic circulation (ref Annex 11 and Doc 9426)<br>C Prior to implementation, coordination with users is recommended |
| SID/STAR RNAV implementation with RNP requirements                   | C VHF DCPC voice<br>C RNAV navigation capacity<br>C RNP 1 certification     | C VHF DCPC voice<br>C Design/flight inspection/publication of procedures<br>C RNP 1 publication<br>C WGS-84 coordinates                       | 2002                       |                                                                                                                                                                                                                                                                                             |
| 18 NM bidirectional tracks/routes spacing (non radar environment)    | C VHF DCPC voice<br>C RNP 4 certification                                   | C VHF DCPC voice<br>C RNP 4 publication<br>C Appropriate navigation capacity<br>C Ground-ground speech circuits                               | —                          | C Implementation upon States criteria<br>C SARPs are contained in Annex 11 (Amendment 38 applicable November 1998)                                                                                                                                                                          |
| 16.5 NM unidirectional tracks/routes spacing (non radar environment) | C VHF DCPC voice<br>C RNP 4 certification                                   | C VHF DCPC voice<br>C RNP 4 publication<br>C Appropriate navigation capacity<br>C Ground-ground speech circuits                               | —                          | C Implementation upon States criteria<br>C SARPs are contained in Annex 11 (Amendment 38 applicable November 1998)                                                                                                                                                                          |
| 10 to 15 NM tracks/routes spacing (radar environment)                | C VHF DCPC voice<br>C RNP 5 certification<br>C SSR transponder              | C VHF DCPC voice<br>C RNP 5 publication<br>C Ground-ground speech circuits<br>C Appropriate navigation infrastructure<br>C Radar surveillance | —                          | C Safety of system must be evaluated, including volume of work of controller<br>C Implementation upon States criteria<br>C SARPs are contained in Annex 11 (Amendment 38 applicable November 1998)                                                                                          |
| 8 to 12 NM tracks/routes spacing (radar environment)                 | C VHF DCPC voice<br>C RNP 4 certification<br>C SSR transponder              | C VHF DCPC voice<br>C RNP 4 publication<br>C Ground-ground speech circuits<br>C Appropriate navigation infrastructure<br>C Radar surveillance | —                          | C Safety of system must be evaluated, including volume of work of controller<br>C Implementation upon States criteria<br>C SARPs are contained in Annex 11 (Amendment 38 applicable November 1998)                                                                                          |
| Optimization of airspace use                                         | C VHF DCPC voice<br>C Navigation capacity according to airspace             | C VHF DCPC voice<br>C Ground-ground speech circuits<br>C Communication with military units<br>C Civil/military coordination                   | 2000                       | C Agreements among civil and military authorities are required to optimize the use of prohibited and restricted zones in order to achieve ATS routes as direct as possible                                                                                                                  |
| 7. Air traffic services                                              |                                                                             |                                                                                                                                               |                            |                                                                                                                                                                                                                                                                                             |
| Horizontal separation (longitudinal/lateral) in radar environment    | C VHF DCPC voice<br>C Conventional navigation capacity<br>C SSR transponder | C VHF DCPC voice<br>C According to SARPs<br>C Radar surveillance                                                                              | —                          | C Implementation of radar system according to operational requirements and specific studies for each TMA (ref. Doc 9426, CAR/SAM/2 rec. 14/31; GREPECAS ATS/SG draft conclusion 8/7)<br>C Prior coordination with users is recommended                                                      |

|                                                                             |                                                                                                    |                                                                                                                                                                                            |                 |                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Horizontal separation<br>(longitudinal/lateral) in ADS/ADS-B<br>environment | C VHF DCPC voice<br>C Navigation capacity as required<br>C ADS / ADS-B capacity (1)                | C VHF DCPC voice<br>C Presentation of situation for<br>ADS/ADS-B (1)                                                                                                                       | To be developed | C Corresponding SARPs not yet available                                                                                                                                                                                                                                                                                             |
| RNAV non precision approaches for<br>overlay GNSS (supplementary GNSS)      | C VHF DCPC voice<br>C GNSS navigation capacity<br>C RNP 0.3 certification<br>C ABAS                | C VHF DCPC voice<br>C WGS-84 coordinates<br>C Approval of GNSS as supplementary<br>navigation system<br>C Design/flight inspection/publication<br>of procedure                             | 2002            | C In AWOP/16 report there are references<br>with regard to RNP for non precision<br>approaches                                                                                                                                                                                                                                      |
| RNAV non precision approaches for<br>GNSS (primary GNSS)                    | C VHF DCPC voice<br>C GNSS navigation capacity<br>C RNP 0.3 certification<br>C ABAS*               | C VHF DCPC voice<br>C WGS-84 coordinates<br>C GPS approval as primary navigation<br>system<br>C Design/flight inspection/publication<br>of procedure<br>C SBAS augmentation/predictive FDE | To be developed | C SBAS augmentation system has not yet<br>been determined for CAR/SAM regions.<br>Subject to GREPECAS approval<br>C *Aircraft-based augmentation systems<br>provide limited availability of service.<br>This may lead to operational restrictions<br>based on prediction of one satellite<br>constellation status before departure. |
| Non-precision approaches with vertical<br>IPV guidance for GNSS (1)         | C VHF voice DCPC<br>C GNSS Nav. capacity<br>C RNP 0.125 certification for IPV<br>C ABAS<br>C FMS   | C Voice DCPC<br>C Implementation of WGS'84<br>coordinates<br>C Mapping database<br>C SBAS augmentation<br>C Design/flight inspection/publication<br>of procedure                           | To be developed | C To be decided whether IPV is to be<br>considered as an non precision<br>approach (NPA) or as a precision<br>approach (PA) with minima greater than<br>Cat 1.                                                                                                                                                                      |
| Precision approaches (ILS)                                                  | C ILS receiver                                                                                     | C Design/flight inspection/publication<br>of procedure<br>C ILS equipment                                                                                                                  | —               | C ILS planning will be carried out<br>according to operational requirements<br>and specific studies considering short<br>and medium term<br>C Previous coordination with users is<br>recommended                                                                                                                                    |
| Cat I GNSS precision approaches                                             | C VHF DCPC voice<br>C GNSS navigation capacity<br>C RNP certification for Cat I<br>C ABAS          | C DCPC VHF voice<br>C WGS-84 coordinates<br>C Design/flight inspection/publication<br>of procedure<br>C SBAS, GBAS augmentation*<br>C Corresponding RNP publication                        | To be developed | C Corresponding SARPs not yet available<br>for these approaches<br>C Permits curved and segmented<br>approaches and IFR independent<br>approaches to closely-spaced runways<br>C *Subject to GREPECAS approval                                                                                                                      |
| Cat II and cat III GNSS precision<br>approaches                             | C VHF DCPC voice<br>C GNSS navigation capacity<br>C RNP certification for Cat II and III<br>C ABAS | C VHF DCPC voice<br>C WGS-84 coordinates<br>C Design/flight inspection/publication<br>of procedure<br>C GBAS augmentation<br>C Corresponding RNP publication                               | To be developed | C Corresponding SARPs not yet available<br>for these approaches<br>C Permits curved and segmented<br>approaches and IFR independent<br>approaches to closely-spaced runways                                                                                                                                                         |
| Minimum safe altitude warning (MSAW)                                        | C SSR transponder                                                                                  | C Display with MSAW software<br>C Definition of MSAW sectors                                                                                                                               |                 | C MSAW capacity should be taken into<br>consideration in all new systems and, as<br>possible, its implementation in the<br>current systems. SSR transponder C/S                                                                                                                                                                     |
| Conflict prediction, alert and resolution<br>advice                         | C VHF DCPC voice<br>C SSR transponder<br>C ADS or ADS-B avionics (1)                               | C VHF DCPC voice<br>C Surveillance (SSR/ADS) with software<br>for advice in conflict prediction,<br>warning and solution                                                                   |                 | C The capacity for conflict prediction, alert<br>and resolution advice should be taken<br>into consideration in all new systems<br>and, as possible, its implementation in<br>the current systems                                                                                                                                   |
| Automatic terminal information service –<br>voice (ATIS-voice)              | C VHF receiver                                                                                     | C ATIS system                                                                                                                                                                              |                 | C ATIS implementation will be carried out<br>according to operational requirements                                                                                                                                                                                                                                                  |
| Data link automatic terminal<br>information service (D-ATIS)                | C Data link                                                                                        | C D-ATIS system                                                                                                                                                                            | To be developed | C Amendment 38 to Annex 11, applicable<br>on November 1998, contemplates the<br>provision of D-ATIS<br>C Implementation possible at any time at<br>the discretion of States                                                                                                                                                         |
| Pre-departure clearance (PDC) and                                           | C DCPC voice and data                                                                              | C DCPC voice and data                                                                                                                                                                      | 2000            | C Implementation possible at any time at                                                                                                                                                                                                                                                                                            |

|                                                                   |                                                                                                |                                                                                                             |                 |                                                                                                                                  |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| taxiway clearance                                                 |                                                                                                |                                                                                                             |                 | the discretion of States                                                                                                         |
| Arrived metering, sequencing, spacing                             | C DCPC voice and data<br>C FMS                                                                 | C DCPC voice and data<br>C Software for arrival regulation                                                  | To be developed |                                                                                                                                  |
| Functional integration of ground with airborne system             | C PC VHF voice and data<br>C FMS<br>C ADS/ADS-B avionics (1)                                   | C DCPC VHF voice and data<br>C Presentation of (ADS/ADS-B) status (1)<br>C Lighting systems<br>C Automation | To be developed |                                                                                                                                  |
| Enhanced ground surveillance and guidance, runway incursion alert | C DCPC VHF voice and data<br>C GNSS navigation capacity<br>C ADS-B avionics (1)<br>C Data link | C DCPC VHF voice and data<br>C GBAS<br>C Presentation of the ADS-B status (1)<br>C Warning systems          | To be developed | C The precision of the information available should be compatible with the ASMGCS                                                |
| Windshear detection                                               | C DCPC VHF voice and data<br>C Meteorological information receiver                             | C DCPC VHF voice and data<br>C Wind shear sensors                                                           |                 | C Implementation possible at any time at the discretion of States                                                                |
| 8. Air traffic flow management                                    |                                                                                                |                                                                                                             |                 |                                                                                                                                  |
| FMU integration                                                   | C Data link                                                                                    | C Automation<br>C Voice and data communications (ICC)                                                       | 2008            | C The database will contain information such as airspace reserves, aeronautical information, aerodromes, traffic, MET, SAR, etc. |

*Note 1.— New concept or technological consensus not yet reached.*

*Note 2.— The indicated dates will serve as reference. Implementation dates of each of the evolution elements will be determined by States for each TMA in particular, taking into account operational requirements and corresponding technological and economic aspects.*

## Appendix B

### SSR CODE ASSIGNMENT SYSTEM (INTERNATIONAL AND DOMESTIC) CAR AND SAM REGIONS

#### OBJECTIVES OF THE SSR CODE ALLOCATION PLAN (CAP)

1. The new SSR code allocation plan has been developed to provide CAR/SAM States with the means to coordinate the use of 4 096 Mode A/3 SSR codes as efficiently and economically as possible.

2. The new CAP will foster prompt implementation of a method that will allow the use of an assigned four-digit code for as long as possible during a flight in the CAR/SAM regions.

#### GENERAL PRINCIPLES FOR FULFILLING THE OBJECTIVES

3. The detailed principles governing the use of SSR codes in the CAR/SAM regions are based on general principles which supplement global provisions (PANS-RAC, Doc 4444, Part X). These principles take into account a gradual transition from the current use of SSR codes to the CAP mentioned in 2 above.

4. Mode A/3 codes should be used for ATS purposes only.

5. Codes are allocated to ATS units based on duly-justified operational requirements, and the number of codes is established based on the number of aircraft to be served simultaneously within a specific area during peak traffic periods.

6. Code requirements are expressed in terms of complete code series (sixty-four four-digit codes in each series), or specific blocks thereof. In special cases, these requirements may also cover designated individual four-digit codes.

7. Codes to be used as international transit codes are allocated to certain ACCs for use in participating areas (PAs) formed by ATS responsibility areas of a suitable group of States.

8. Codes for domestic purposes are allocated to States for their use by ATS units that require limited geographical protection for such codes.

9. Provided that appropriate safeguards are followed, States outside the PAs in which codes are used for their main function may use international transit codes to meet domestic requirements. However, if this generates conflicts in the use of codes, the assignment as international transit code shall take precedence over domestic use.

#### RELEVANT OPERATIONAL AND TECHNICAL FACTORS

10. The following operational conditions are likely to persist while the new CAP is in effect:

- a) for ATS purposes in the CAR/SAM regions, both self-activating and passive SSR decoding equipment will be used;
- b) comparatively simple code allotment methods such as the allotment by reference to ATC sectors shall coexist and join vertically or horizontally with more refined computer-assisted code allotment methods;
- c) since the 4 096 Mode A/3 code capacity is a prerequisite for full application of complex code allocation methods, it is essential to make this capacity a compulsory requirement for aircraft making international flights.

## PERMANENT DISTRIBUTION AND CODE CATEGORIES

### Distribution of codes

11. Certain codes are reserved for special global purposes. The remaining code series for use in the regions are divided into two different categories in this CAP: transit codes for international use and codes for domestic use.

12. The number of codes used for international transit purposes must be relatively high, due to the extent of geographical protection required to reduce to a minimum the possibilities of confusing the identity of two different aircraft to which the same four-digit code has been assigned. Sufficient protection should be provided to avoid interference to PAs in adjacent regions.

13. The number of codes used for domestic purposes can be kept relatively small, as these can be repeated in different States or even within the same State.

14. Through suitable arrangements in the CAP, international transit codes may be used for domestic purposes, subject to the provisions of 9 above.

15. When necessary, allocation possibilities may be increased considerably by dividing a specific code series into eight blocks of eight four-digit codes.

### Codes for special purposes

16. Some codes of certain series are reserved for special purposes, as shown below:

Series 00 — Code 0000 is available to any State for general purposes. (Codes 0001 to 0077 are available for domestic purposes.)

Series 20 — Code 2000 is to recognize an aircraft that has not received instructions from the air traffic control units to operate the transponder. (Codes 2001 to 2077 are available for domestic purposes.)

Series 75 — Code 7500 is reserved for recognizing an aircraft subject to unlawful interference. (Codes 7501 to 7577 are available for domestic purposes.)

Series 76 — Code 7600 is reserved for recognizing an aircraft with radio communications failure. (Codes 7601 to 7677 are available for domestic purposes.)

Series 77 — Code 7700 is reserved for recognizing an aircraft in emergency. (Codes 7711 to 7717 and 7721 to 7727 are reserved for SAR operations and code 7777 for monitoring the ground transponder.)

17. States may use discrete codes 7501 to 7577 and 7601 to 7677 for domestic purposes provided they have ascertained that in the area concerned and in affected adjacent areas:

- a) no sixty-four code ground decoding equipment is in operation; and
- b) 4 096 code ground decoding equipment has the capability of permitting the use of such codes without generating aural or visual alarms associated with special codes 7500 and 7600 (cf. Annex 10, Volume I, Part I, 2.5.4.5)

### Transit codes

18. Transit codes are allocated to specific ACCs for their assignment to international flights. Aircraft shall keep their assigned code beyond national boundaries, but generally not beyond the limits of PAs in CAR/SAM regions [see 21 c)].

19. The allocation of transit codes in the CAR/SAM regions is based on five PAs, which have been established according to the air traffic flows. These areas are as follows:

SOUTH SAM PA: Argentina, Chile, Montevideo

CENTRAL SAM PA: Asuncion, Brazil, La Paz, Lima

NORTH SAM PA: Colombia, Guayaquil, Maiquetia, Panama

EAST CAR PA: Georgetown, Paramaribo, Piarco, Rochambeau

WEST CAR PA: Central America, Curaçao, Havana, Kingston, Mexico, Port-au-Prince, Santo Domingo.

*Note.— Codes are allocated to a State when the airspace of that State is divided into two or more FIRs. Codes are allocated to an FIR when it is unique to a State or when an FIR covers the airspace of two or more States.*

20. The ultimate objective, i.e. that aircraft keep an assigned code for as long as possible during an international flight (i.e. through more than one PA) can only be achieved by gradually refining code protection criteria.

21. Transit codes shall be assigned in keeping with the following principles governing the originating regional code assignment method (ORCAM):

- a) when an aircraft enters a PA (either when departing or during flight), the first ATS unit concerned in that PA shall assign to it a four-digit code. This code will be chosen from a group of code series allocated in such a way as to avoid duplicating codes assigned by different ACCs within the relevant PA;
- b) each flight shall keep the original code assigned to it when entering the PA during the entire flight therein. Appropriate code protection criteria shall be applied to avoid any duplication resulting from a premature reassignment of the same code;
- c) normally, when a flight crosses the boundaries of a PA, a change of code will be required. However, in certain cases and through agreements reached by ATS units affected by the flight path, the assigned code may be maintained beyond the PA boundaries;
- d) since the number of available codes does not allow for the allocation of a complete code series that is exclusive to each PA within the CAR/SAM regions, certain code series will have to be shared between two or more PAs. The assignment of these shared codes in each of the respective PAs will be done by the ACCs in which there is less likelihood for code duplication in the bordering area of the respective PAs.

22. When setting the number of transit code series, the following factors have been taken into account:

- a) the lifetime of the air navigation plan, of which the SSR is but one element;
- b) air traffic forecasts for the CAR/SAM regions, in order to determine any increase of air traffic classified as international in these regions;
- c) code series requirements for an ATS unit are estimated on the basis of the total number of aircraft requiring the assignment of a specific code during the peak period in that ATC unit;

- d) in order to estimate code series required, in keeping with c) above, a “protection period” of six hours is used; i.e. all codes of an ATC unit assigned to aircraft are again available for use six hours after their initial assignment; and
- e) a specific code is assigned to an aircraft when the aircraft is ready for take-off or when it is imminent that an in-flight aircraft will be controlled. As a general rule, a permanent code assignment based on flight number or any other systematic distinctive feature is unacceptable, due to the negative effects it could have on the efficient and economic use of codes.

23. Common criteria have been established to estimate the number of transit codes required by each ACC/FIC or APP of the various FIRs in the CAR/SAM regions. Transit codes have been distributed bearing in mind the number of peak flights (international flights only) to which each unit will have to assign a new code.

24. As the CAR/ SAM regions have been divided into five PAs and because the groups assigned to two of these PAs can be repeated without the risk of repeating codes, the number of codes available for international flights is high.

25. Considering the aforementioned, PAs (PA) would have the following code series available for international flights:

SOUTH SAM PA: 03, 04, 05, 06, 07, 25, 27, 30, 33, 52, 53, 60, 61, 62, 63, 64, 65, 73

CENTRAL SAM PA: 21, 26, 31, 32, 40, 41, 42, 43, 44, 45, 46, 47, 50, 51, 56, 57, 67, 70, 71

NORTH SAM PA: 01, 02, 22, 23, 24, 25, 34, 35, 36, 37, 54, 55, 66, 74

EAST CAR PA: 06, 07, 27, 30, 52, 53, 60, 63, 64, 65, 72, 73, 74

WEST CAR PA: 03, 04, 05, 21, 26, 31, 32, 33, 34, 40, 41, 42, 43, 44, 45, 46, 47, 50, 51, 56, 57, 61, 62, 66, 67, 70, 71

### **Domestic codes**

26. Domestic codes are allocated for use by aircraft that remain within the boundaries of the area agreed for use of such codes (normally within a State) during their entire flight. The relevant code series are:

10, 11, 12, 13, 14, 15, 16, 17. Codes 0001 to 0077, 2001 to 2077, 7501 to 7577, and 7601 to 7677 could also be available, in keeping with the conditions specified in 16 and 17.

27. Domestic codes should be used in such a way as to allow for the greatest economy in the number of codes required (see also 9, 16 and 17). As domestic requirements vary considerably, definitive rules cannot be established for the time being. However, in order to assist States and facilitate the international coordination required on the use of domestic codes in border areas, the following guidelines are provided:

- a) as a general rule, codes used mainly for transit purposes may be used for domestic needs in States where there is an intermediate FIR between the area in which the code is used for transit and that in which it is used for domestic purposes. Based on suitable agreements among the ATC units concerned, there may be some exceptions to this rule, provided it is made certain that this will cause no difficulties;
- b) regarding domestic codes used mainly for terminal control purposes (TMA/APP), the area for operational use of the code in question should correspond to the area

for use of the appropriate air-ground communications channels, unless otherwise specified;

- c) domestic codes used for terminal purposes (TMA/APP) or within specific parts of the airspace (sectors) will have guaranteed protection in these functions. Adjacent States may use these codes for domestic purposes, providing a buffer zone equivalent to one sector or a distance of 60 NM between the closest borders of two areas in which such codes are used.

### PLAN MONITORING

28. It is expected that, in the future, the gradual development of improved ground facilities will permit a greater number of States to adhere to the provisions of the CAP.

29. GREPECAS has approved provisions for the gradual implementation and monitoring of the SSR code allocation plan. In this respect, States planning to introduce SSR facilities are requested to inform the ICAO Regional Offices for North America, Central America, and the Caribbean (NACC), and South America (SAM), at least six months in advance, of their intention to use the codes, in order to carry out timely coordination.

### ABBREVIATIONS AND MEANING OF TERMS

|                 |                                             |                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PA              | = Participating area                        | An area of specified dimensions comprising the areas of ATS responsibility of several States, wherein a four-digit code assigned to a specific aircraft engaged in an international flight is normally maintained by this aircraft while operating in the area.                                                                                                 |
| CAP             | = ICAO SSR Code Allocation Plan             |                                                                                                                                                                                                                                                                                                                                                                 |
| Region          | = ICAO CAR and SAM Regions                  |                                                                                                                                                                                                                                                                                                                                                                 |
| ORCAM           | = Originating region code allocation method | (See para. 4.3.4)                                                                                                                                                                                                                                                                                                                                               |
| Four-digit code |                                             | An SSR identity code containing combinations of A, B, C and D pulses (any response generated by a 4 096-code responder):<br><br>$Z_1, Z_2, Z_3, Z_4$<br>where $Z_1 = 0....7$                                                                                                                                                                                    |
| Code series     |                                             | A group of 64 codes with four similar digits                                                                                                                                                                                                                                                                                                                    |
| Code block      |                                             | A continuous sequence of four-digit code within a code series. Specific "octal" blocks of 8 sequential codes having common first three digits may be identified by reference to the third digit of the full four-digit code (i.e., 0-block = codes XX00 to XX07. Codes 0010 to 0017 may be designated as codes 00(1), codes 0020 to 0027 as codes 00(2), etc.). |
| Code assignment |                                             | Distribution of SSR codes to aircraft (cf. PANS-RAC, Doc 4444).                                                                                                                                                                                                                                                                                                 |
| Code allocation |                                             | Distribution of SSR codes to States, unit or service (cf. PANS-RAC, Doc 4444).                                                                                                                                                                                                                                                                                  |
| Transit Codes   |                                             | A code allocated to a specific ATC unit for assignment to an aircraft engaged in an international flight which will be retained by this aircraft at least while operating within the related PA.                                                                                                                                                                |
| Domestic Code   |                                             | A code allocated to a specific State for use by a designated ATC unit within that State in relation to flights which remain throughout their operation within the agreed area of use of the code concerned.                                                                                                                                                     |

## GUIDELINES FOR THE APPLICATION OF TABLE ATS 1

### INTRODUCTION

1. In accordance with the implementation requirements of Table ATS 1 of this document, States and Organizations responsible for providing air traffic services in the CAR/SAM regions should properly apply the procedures of the CAR/SAM SSR code allocation plan (CAP) approved by the CAR/SAM Regional Planning and Implementation Group (GREPECAS). This document contains guidelines for achieving this objective.

2. It is impossible to cover all potential variables due to the diversity of circumstances and characteristics which, at a given point, might have a bearing on the application of procedures; therefore, it is expected that States will interpret correctly the application criteria and that this guide will serve as an auxiliary document for applying the procedures. It is also noted that the ICAO NACC and SAM Regional Offices will be responsible for monitoring the CAP, so States may therefore ask them for clarification when necessary.

### GENERAL PROCEDURES

#### Use of codes

3. States and Organizations responsible for providing services should limit the use of SSR codes to the series allocated to them in Table ATS 1.

4. States and Organizations responsible for services should internally redistribute allocated codes, distributing the available code series or fractions thereof to ATC units equipped with radar systems under their jurisdiction, taking into account the volume of outgoing flights and overflights requiring codes.

*Note.— In order to make better use of code series, they may be divided in fractions in such a way that they may be used as a whole or in halves, quarters or eighths of a series, as required, according to the volume of flights served by each ATC unit.*

5. Codes are assigned to flights leaving the jurisdiction of the ATC unit where those flights originate. This means that they are assigned to departures from airports within the

area and to overflights arriving from airspaces lacking radar service or to other aircraft which have not been previously assigned a code.

6. Efforts should be made to maintain the code already assigned to an aircraft. This assumes that the code is known at the time of coordination and that it may be introduced into the automated processing system, so that the system will recognize when the aircraft enters the radar system coverage area.

#### Code occupation period

7. In order to protect the use of a unique code for each flight, avoiding its double assignment to another flight within the airspace of a PA, each State or ATC unit shall determine a “protection period” within its area, i.e. the period of time in which the code used by a flight cannot be assigned to another flight.

8. The submitted proposal estimates a protection period of 6 hours for all cases, this period being considered the most critical. This gives ATC units greater capacity for using allocated codes through a reduction in the protection period, as long as it does not cause a duplication as mentioned in 11.

9. For maximum economy of codes, it is recommended that they be assigned as closely as possible to the time of flight activation; likewise, when a flight has already been assigned a code and it is not activated within a reasonable time limit, the code assignment should be cancelled, releasing it for use by another flight.

10. In some cases, when flight times within airspaces with radar coverage so permit, codes may be assigned in a cyclical manner; that is, codes are progressively assigned until reaching the last available code, at which time the assignment starts over again from the beginning, irrespective of the time elapsed. In some cases, when feasible, this procedure is simpler for ATC units.

#### Saturation

11. When the demand for codes exceeds the number available, due to an increase in traffic, and solutions such as

the reduction of the protection period cannot be adopted, control units may apply the following measures:

- a) in the case of transit flights, use can be made of code series allocated to States/FIRs belonging to non-adjacent PAs. This procedure should be used in extreme cases, after coordinating with those States which might be affected. The ICAO NACC and SAM Regional Offices may recommend this solution after studying the possibilities and assessing potential consequences;
- b) in the case of domestic flights, use can be made of transit codes allocated to the State/FIR concerned or, if necessary, to another State/FIR within the same PA, at the same time taking the relevant protective measures to avoid any negative effects.

#### **Assigning codes to domestic flights**

12. The proposed Table ATS 1 recommends assigning codes from the series apportioned for domestic flights for use

by States/FIRs. Based on the needs of ATC units, this proposal could be modified to permit a more appropriate application, considering that:

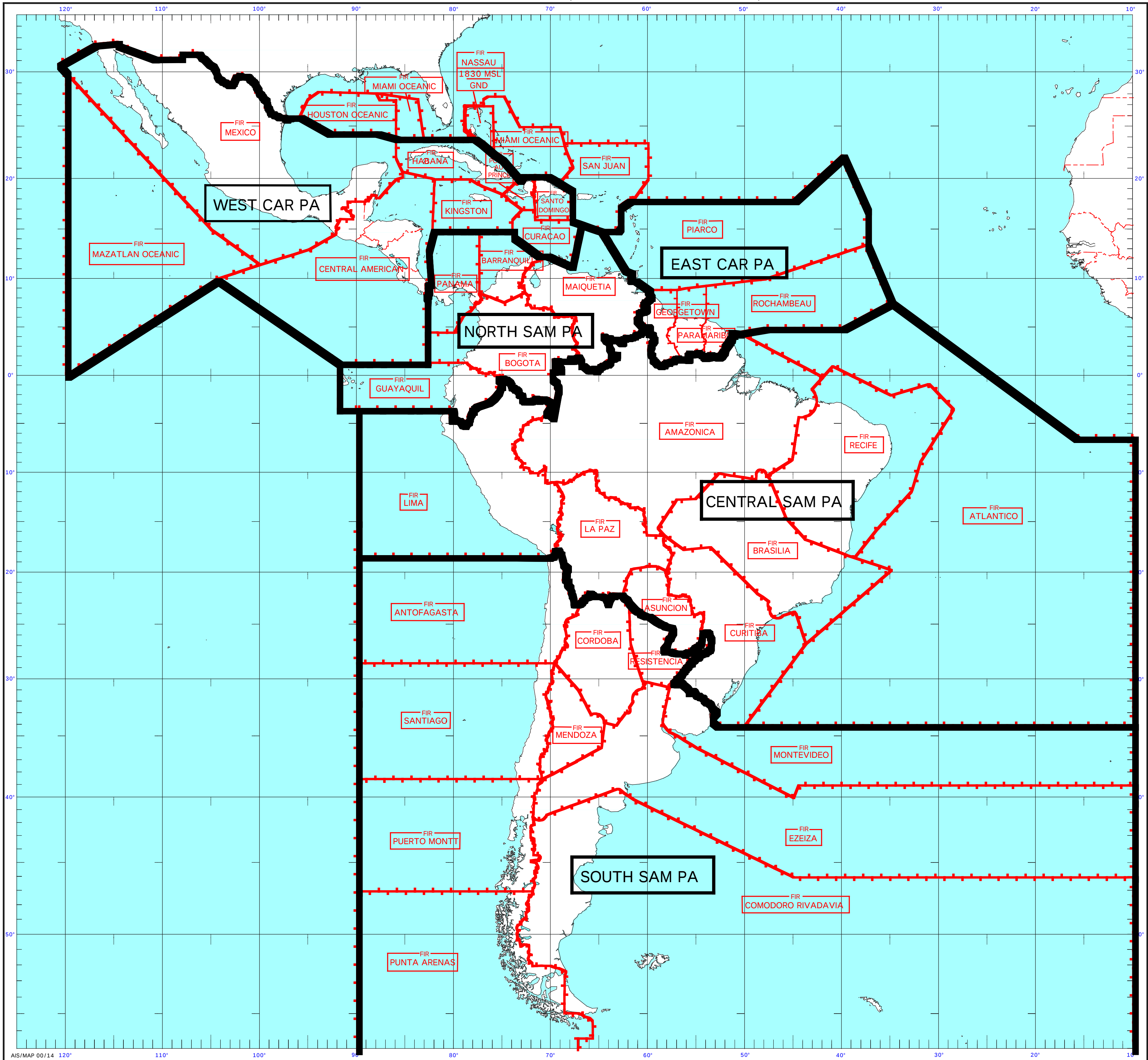
- a) the same code can be assigned to different domestic flights, as long as airspaces where the flights take place are not adjacent and there is no intermediate radar coverage area for at least 60 nautical miles;
- b) the rule described in a) above may be applied within the same State/FIR and also between adjacent States/FIRs when relevant arrangements have been made;
- c) in order to take maximum advantage of this procedure, it is preferable to allocate the same domestic codes in different smaller areas, instead of assigning codes taken from many different series; and
- d) when saturation in the demand for domestic codes is foreseen, the procedure described in b) above may be applied.

I = International use / Uso internacional  
D = Domestic use / Uso nacional

[illegible]

| STATE OR FIR / ESTADO O FIR |           |          |        |                  |       |          |         |            |           |        |          |        |      |          |        |            |        |            |        |                |            |               |
|-----------------------------|-----------|----------|--------|------------------|-------|----------|---------|------------|-----------|--------|----------|--------|------|----------|--------|------------|--------|------------|--------|----------------|------------|---------------|
| CODE/<br>CLAVE              | ARGENTINA | ASUNCIÓN | BRAZIL | CENTRAL AMERICAN | CHILE | COLOMBIA | CURACAO | GEORGETOWN | GUAYAQUIL | HABANA | KINGSTON | LA PAZ | LIMA | MAQUETIA | MEXICO | MONTEVIDEO | PANAMA | PARAMARIBO | PIARCO | PORT AU PRINCE | ROCHAMBEAU | SANTO DOMINGO |
| 2500 - 2577                 | I         |          |        | D                |       |          |         |            |           |        |          |        |      |          |        |            |        |            |        |                |            |               |
| 2600 - 2677                 |           |          |        |                  |       |          |         |            |           |        |          |        |      |          | I      |            |        |            |        |                |            |               |
| 2700 - 2777                 | I         |          |        | D                |       |          |         |            |           |        |          |        |      |          |        |            |        |            | I      |                |            |               |
| 3000 - 3077                 |           |          |        | D                | I     |          |         |            |           |        |          |        |      |          |        |            |        |            | I      |                |            |               |
| 3100 - 3177                 |           |          |        |                  |       |          | I       |            |           |        |          | I      |      |          |        |            |        |            | D      |                |            |               |
| 3200 - 3277                 |           |          |        |                  |       |          |         |            |           |        |          |        |      |          | I      |            |        |            |        |                |            |               |
| 3300 - 3377                 |           |          |        |                  |       |          | I       |            |           |        |          |        |      |          |        |            |        |            |        |                |            |               |
| 3400 - 3477                 |           |          |        |                  |       |          |         |            |           | I      |          |        |      |          |        |            |        |            |        |                |            |               |
| 3500 - 3577                 |           |          |        |                  |       |          |         |            |           |        |          |        |      | I        |        |            |        |            |        |                |            |               |
| 3600 - 3677                 |           |          |        |                  |       |          |         |            |           |        |          |        |      | I        |        |            |        |            |        |                |            |               |
| 3700 - 3777                 |           |          |        |                  |       |          |         |            |           |        |          |        |      | I        |        |            |        |            |        |                |            |               |
| 4000 - 4077                 |           |          | I      |                  |       |          |         |            |           |        |          |        |      |          |        |            |        |            | D      |                |            | I             |
| 4100 - 4177                 |           |          | I      |                  |       |          |         |            |           |        |          |        |      |          |        |            |        |            |        |                |            | I             |
| 4200 - 4277                 |           |          | I      |                  |       |          |         |            |           |        |          |        |      |          | I      |            |        |            | D      |                |            |               |
| 4300 - 4377                 |           |          | I      |                  |       |          |         |            |           |        |          |        |      |          | I      |            |        |            |        |                |            |               |
| 4400 - 4477                 |           |          | I      |                  |       |          |         |            |           |        |          |        |      |          | I      |            |        |            | D      |                |            |               |
| 4500 - 4577                 |           |          | I      |                  |       |          |         |            |           |        |          |        |      |          | I      |            |        |            |        |                |            |               |
| 4600 - 4677                 |           |          | I      | I                |       |          |         |            |           |        |          |        |      |          |        |            |        |            | D      |                |            |               |
| 4700 - 4777                 |           |          | I      | I                |       |          |         |            |           |        |          |        |      |          |        |            |        |            |        |                |            |               |
| 5000 - 5077                 |           |          | D      |                  |       |          |         |            |           |        | I        |        |      |          |        |            |        |            | D      |                |            |               |
| 5100 - 5177                 |           |          | D      |                  |       |          |         |            |           |        | I        |        |      |          |        |            |        |            |        |                |            |               |
| 5200 - 5277                 |           |          |        |                  | I     |          |         | I          |           |        |          |        |      |          |        |            |        |            |        |                |            |               |
| 5300 - 5377                 |           |          |        |                  | I     |          |         |            |           |        |          |        |      |          |        |            |        |            |        |                | I          |               |
| 5400 - 5477                 |           | I        |        |                  |       |          |         |            | I         |        |          |        |      |          |        |            |        |            |        | I              |            |               |
| 5500 - 5577                 |           |          |        |                  |       |          |         |            | I         |        |          |        |      |          |        |            |        |            |        |                |            |               |
| 5600 - 5677                 |           |          |        | I                |       |          |         |            |           |        |          |        | I    |          |        |            |        | I          |        |                |            |               |
| 5700 - 5777                 |           |          |        | I                |       |          |         |            |           |        |          |        | I    |          |        |            |        |            |        |                |            |               |
| 6000 - 6077                 |           |          |        |                  |       |          |         |            |           |        |          |        |      |          |        | I          |        |            | I      |                |            |               |
| 6100 - 6177                 |           |          |        |                  |       |          |         |            |           |        |          |        |      |          | I      | I          |        |            |        |                |            |               |

| STATE OR FIR / ESTADO O FIR |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            |        |                |            |               |
|-----------------------------|--------------------------------------------------|----------|--------|------------------|-------|----------|---------|------------|-----------|--------|----------|--------|------|-----------|--------|------------|--------|------------|--------|----------------|------------|---------------|
| CODE/<br>CLAVE              | ARGENTINA                                        | ASUNCIÓN | BRAZIL | CENTRAL AMERICAN | CHILE | COLOMBIA | CURACAO | GEORGETOWN | GUAYAQUIL | HABANA | KINGSTON | LA PAZ | LIMA | MAIQUETIA | MEXICO | MONTEVIDEO | PANAMA | PARAMARIBO | PIARCO | PORT AU PRINCE | ROCHAMBEAU | SANTO DOMINGO |
| 6200 - 6277                 |                                                  |          | D      |                  |       |          |         |            |           |        |          |        |      |           | I      |            |        |            |        |                |            |               |
| 6300 - 6377                 |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           | D      |            |        |            | I      |                |            |               |
| 6400 - 6477                 |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           | D      |            |        |            | I      |                |            |               |
| 6500 - 6577                 |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           | D      |            |        |            | I      |                |            |               |
| 6600 - 6677                 |                                                  |          | D      |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            |        |                |            |               |
| 6700 - 6777                 |                                                  |          | D      |                  |       |          |         |            |           | I      |          |        |      |           |        |            |        |            |        |                |            |               |
| 7000 - 7077                 |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           | I      |            |        |            |        |                |            |               |
| 7100 - 7177                 |                                                  | I        |        |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            |        | I              |            |               |
| 7200 - 7277                 |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            | I      |                |            |               |
| 7300 - 7377                 |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           |        | I          |        | I          |        |                |            |               |
| 7400 - 7477                 |                                                  |          |        |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            |        |                |            |               |
| 7500                        | UNLAWFUL INTERFERENCE / INTERFERENCIA ILÍCITA    |          |        |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            |        |                |            |               |
| 7600                        | COMMUNICATIONS FAILURE / FALLA DE COMUNICACIONES |          |        |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            |        |                |            |               |
| 7700                        | EMERGENCY / EMERGENCIA                           |          |        |                  |       |          |         |            |           |        |          |        |      |           |        |            |        |            |        |                |            |               |



## Part VI

# METEOROLOGY (MET) — FASID

### INTRODUCTION

1. The Standards, Recommended Practices and Procedures to be applied are as listed in paragraph 2, Part VI — MET of the CAR/SAM Basic ANP. The material in this part complements that contained in Part I — BORPC of the CAR/SAM Basic ANP and should be taken into consideration in the overall planning processes for the CAR/SAM regions.

2. This part contains a detailed description/list of the facilities and/or services to be provided to fulfil the basic requirements of the plan and are as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. This element of the FASID, in conjunction with the CAR/SAM Basic ANP, is kept under constant review by the GREPECAS in accordance with its schedule of management, in consultation with user and provider States and with the assistance of the ICAO Regional Offices concerned.

### METEOROLOGICAL SERVICE REQUIRED AT AERODROMES AND REQUIREMENTS FOR METEOROLOGICAL WATCH OFFICES

(Tables MET 1A and 1B  
and Chart MET 1 of the FASID)

3. The meteorological service to be provided to meet the requirements of international flight operations is outlined in Table MET 1A. AFTN routing areas identified by the letters in Table MET 1A are shown on Chart MET 1. The requirements for meteorological watch offices (MWO), together with the service to be provided to flight information regions (FIR), upper flight information regions (UIR),

control areas (CTA) and search and rescue regions (SRR) are listed in Table MET 1B.

### EXCHANGE OF MET INFORMATION FOR OPERATIONS

(Tables MET 2 and 2A of the FASID)

4. The requirements for the exchange of reports in the METAR/SPECI code forms and aerodrome forecasts in the TAF code form to satisfy international flights operations in the CAR/SAM regions are shown in Table MET 2.

5. Table MET 2A contains the exchange requirements in the CAR/SAM regions for SIGMET messages and special air-reports.

### TROPICAL CYCLONE AND VOLCANIC ASH ADVISORY CENTRES

( Table MET 3, Parts I and II and  
Charts MET 2 and MET 3 of the FASID)

6. The area of responsibility, the period of operation of the tropical cyclone advisory centre (TCAC), Miami and the MWOs to which advisory information should be sent by the TCAC are contained in Table MET 3, Part I. The areas of responsibility of the designated TCACs in all regions are shown on Chart MET 2.

7. The areas of responsibility of the volcanic ash advisory centres (VAAC), Buenos Aires and Washington, the MWOs and ACCs to which the advisory information should be sent by the VAACs Buenos Aires and Washington are contained in Table MET 3, Part II. The areas of responsibility of the designated VAACs in all regions are shown on Chart MET 3.

*Note.— Operational procedures to be used for the dissemination of information on volcanic eruptions and associated ash clouds in areas which could affect routes used by international flights and necessary pre-eruption arrangements as well as the list of operational contact points are provided in the document entitled International Airways Volcano Watch (IAVW) — Operational procedures and list of operational contact points. This document is published annually by ICAO and circulated to States. Detailed guidance for the provision of information on volcanic ash to aircraft is given in the Regional Handbook on Volcanic Ash to Aircraft Operations published by the ICAO NAM/CAR and SAM Regional Offices. Additional guidance regarding what each of the parties in the IAVW is expected to do and why, are contained in the Manual on Volcanic Ash, Radioactive Debris and Toxic Chemical “Clouds” (Doc 9691). This document is being prepared by the ICAO Secretariat with the assistance of the Volcanic Ash Warning Study Group (VAWSG).*

### **WORLD AREA FORECAST SYSTEM (WAFS)**

(Tables MET 5, MET 6 and MET 7 and  
Charts MET 4, MET 5 and MET 6 of the FASID)

8. Table MET 5 sets out the CAR/SAM regions' requirements for WAFS products: upper wind and temperature and significant weather (SIGWX) charts, and the gridded binary (GRIB) data, and abbreviated plain language SIGWX, to be provided by WAFC Washington.

9. Table MET 6 sets out the WAFC responsibility for the production of SIGWX forecasts and upper wind and temperature charts for the areas of coverage indicated, and the GRIB data. WAFS maximum areas of coverage are shown on Charts MET 4, MET 5 and MET 6.

10. Table MET 7 provides the status of authorized access by ISCS1 users to the satellite broadcast and location of the operational VSATs. The table is included in the FASID for information purposes and kept up-to-date by the Regional Offices concerned.

## Table MET 1A — Tableau MET 1A — Tabla MET 1A

### METEOROLOGICAL SERVICE REQUIRED AT AERODROMES FRENCH TEXT SERVICIO METEOROLÓGICO REQUERIDO EN LOS AERÓDROMOS

#### EXPLANATION OF THE TABLE

##### Column

- |    |                                                                                                                                                                                                                                                                           |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Name of the aerodrome or location where meteorological service is required                                                                                                                                                                                                |
| 2  | Designation of aerodrome:<br><br>RS — international scheduled air transport, regular use<br>RNS — international non-scheduled air transport, regular use<br>RG — international general aviation, regular use<br>AS — international scheduled air transport, alternate use |
| 3  | ICAO location indicator of the aerodrome                                                                                                                                                                                                                                  |
| 4  | Name of the meteorological office responsible for the provision of meteorological service at the aerodrome concerned indicated in column 1                                                                                                                                |
| 5  | ICAO location indicator of the responsible meteorological office                                                                                                                                                                                                          |
| 6  | Areas of coverage of charts required for flight documentation<br><br><i>Note.— Areas of coverage denoted by A, B1, F, etc., are shown on Charts MET 4, MET 5 and MET 6.</i>                                                                                               |
| 7  | AFTN routing areas to which flight documentation is required to be prepared<br><br><i>Note.— The AFTN routing areas are shown on Chart MET 1.</i>                                                                                                                         |
| 8  | Requirement for trend forecasts                                                                                                                                                                                                                                           |
| 9  | Requirement for 18-hour validity aerodrome forecasts in TAF code                                                                                                                                                                                                          |
| 10 | Requirement for 24-hour validity aerodrome forecasts in TAF code                                                                                                                                                                                                          |

#### EXPLICACIÓN DE LA TABLA

##### Columna

- |   |                                                                               |
|---|-------------------------------------------------------------------------------|
| 1 | Nombre del aeródromo o lugar en el que se requieren servicios meteorológicos. |
|---|-------------------------------------------------------------------------------|
-

- 
- |    |                                                                                                                                                                                                                                                                                                                                                                                                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2  | Designación del aeródromo como:<br><br>RS — utilizado como aeródromo regular por el transporte aéreo internacional regular<br>RNS — utilizado como aeródromo regular por el transporte aéreo internacional no regular<br>RG — utilizado como aeródromo regular por la aviación general internacional<br>AS — utilizado como aeródromo de alternativa por el transporte aéreo internacional regular. |
| 3  | Indicador de lugar de la OACI asignado al aeródromo.                                                                                                                                                                                                                                                                                                                                                |
| 4  | Nombre de la oficina meteorológica encargada de proporcionar servicios meteorológicos en el aeródromo en cuestión, indicado en la columna 1.                                                                                                                                                                                                                                                        |
| 5  | Indicador de lugar de la OACI de la oficina asignado a la oficina meteorológica encargada.                                                                                                                                                                                                                                                                                                          |
| 6  | Zonas de cobertura de los mapas necesarios para la documentación de vuelo.<br><br><i>Nota.— Las zonas de cobertura denominada con las letras A, B1, F, etc., aparecen en los Mapas FASID MET 4, MET 5 y MET 6.</i>                                                                                                                                                                                  |
| 7  | Áreas de encaminamiento AFTN para las que debe prepararse documentación de vuelo.<br><br><i>Nota.— Las áreas de encaminamiento AFTN figuran en el Mapa FASID MET 1.</i>                                                                                                                                                                                                                             |
| 8  | Requisitos para expedir pronósticos de aterrizaje de tipo tendencia.                                                                                                                                                                                                                                                                                                                                |
| 9  | Requisitos para expedir pronósticos de aeródromo en clave TAF con un período de validez de 18 horas.                                                                                                                                                                                                                                                                                                |
| 10 | Requisitos de expedir pronósticos de aeródromo en clave TAF con un período de validez de 24 horas.                                                                                                                                                                                                                                                                                                  |
-





| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |            |                                         | Responsible MET Office<br>French text<br>Oficina MET responsable |                                         | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                      | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                    |
|-----------------------------------------------------------------------------------------------|------------|-----------------------------------------|------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|----|---|---|--------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|--------------------|
| Name<br>French text<br>Nombre                                                                 | Use<br>Uso | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | Name<br>French Text<br>Nombre                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | A                                                                                   | B1 | F | H | O<br>T<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h |
| 1                                                                                             | 2          | 3                                       | 4                                                                | 5                                       | 6                                                                                   |    |   |   |                                      | 7                                                                                            | 8                                                                          | 9                  | 10                 |
| <b>ANGUILLA (United Kingdom)</b><br>THE VALLEY/Wallblake Anguilla I.                          | RS         | TQPF                                    | SAINT JOHNS/V.C. Bird, Antigua I.                                | TAPA                                    |                                                                                     | X  |   |   |                                      | M,T                                                                                          |                                                                            |                    | X                  |
| <b>ANTIGUA AND BARBUDA</b><br>SAINT JOHNS/V.C. Bird, Antigua I.                               | RS         | TAPA                                    | SAINT JOHNS/V.C. Bird, Antigua I.                                | TAPA                                    |                                                                                     | X  | X |   |                                      | C,E,K,T                                                                                      |                                                                            |                    | X                  |
| <b>ARGENTINA</b><br>BUENOS AIRES/Aeroparque Jorge<br>Newbery                                  | RS         | SABE                                    | BUENOS AIRES/Aeroparque<br>Jorge Newbery                         | SABE                                    | X                                                                                   | X  |   |   | J                                    | S                                                                                            |                                                                            |                    | X                  |
| BUENOS AIRES/Don Torcuato                                                                     | RG         | SADD                                    | BUENOS AIRES/Aeroparque<br>Jorge Newbery                         | SABE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| BUENOS AIRES/Ezeiza Ministro<br>Pistarini                                                     | RS         | SAEZ                                    | BUENOS AIRES/Ezeiza Ministro<br>Pistarini                        | SAEZ                                    |                                                                                     |    |   |   |                                      | C,E,G,K,L,M,N,S,T                                                                            | X                                                                          |                    | X                  |
| BUENOS AIRES/San Fernando                                                                     | RG         | SADF                                    | BUENOS AIRES/Aeroparque<br>Jorge Newbery                         | SABE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| CATARATAS DEL IGUAZÚ/My. D.<br>Carlos Eduardo Krause                                          | RNS&AS     | SARI                                    | RESISTENCIA/Resistencia                                          | SARE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| COMODORO RIVADAVIA /General<br>Mosconi                                                        | RS         | SAVC                                    | COMODORO RIVADAVIA/ General<br>Mosconi                           | SAVC                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| CORDOBA/Ing. Aer. A.L. Taravela                                                               | RS         | SACO                                    | CORDOBA/Ing. Aer. A.L. Taravela                                  | SACO                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| FORMOSA/Formosa                                                                               | RG         | SARF                                    | RESISTENCIA/Resistencia                                          | SARE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| JUJUY/Gobernador Guzmán                                                                       | RS         | SASJ                                    | CORDOBA/Ing. Aer. A.L. Taravela                                  | SACO                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| MAR DEL PLATA/ Bgdier. Gral. B.<br>de la Colina                                               | RG&AS      | SAZM                                    | BUENOS AIRES/Aeroparque<br>Jorge Newbery                         | SABE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| MENDOZA/EI Plumerillo                                                                         | RS         | SAME                                    | MENDOZA/EI Plumerillo                                            | SAME                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| NEUQUEN/ Presidente Perón                                                                     | RNS&AS     | SAZN                                    | BUENOS AIRES/Aeroparque<br>Jorge Newbery                         | SABE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| POSADAS/Libertador Gral. D. José<br>de San Martín                                             | RNS        | SARP                                    | RESISTENCIA/Resistencia                                          | SARE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| RESISTENCIA/Resistencia                                                                       | RNS&AS     | SARE                                    | RESISTENCIA/Resistencia                                          | SARE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| RIO GALLEGOS/ Piloto Civil N.<br>Fernández                                                    | RS         | SAWG                                    | COMODORO RIVADAVIA/General<br>Mosconi                            | SAVC                                    |                                                                                     |    |   |   |                                      | N,S                                                                                          |                                                                            |                    | X                  |
| RIO GRANDE/Río Grande                                                                         | RNS&AS     | SAWE                                    | COMODORO RIVADAVIA/General<br>Mosconi                            | SAVC                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| ROSARIO/Rosario                                                                               | RS         | SAAR                                    | BUENOS AIRES/Aeroparque<br>Jorge Newbery                         | SABE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| SALTA/Salta                                                                                   | RS         | SASA                                    | CORDOBA/Ing. Aer. A.L. Taravela                                  | SACO                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| SAN CARLOS DE BARILOCHE/<br>San Carlos de Bariloche                                           | RNS&AS     | SAZS                                    | BUENOS AIRES/Aeroparque Jorge<br>Newbery                         | SABE                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| TUCUMAN/Tte. Benjamin Matienzo                                                                | RS         | SANT                                    | CORDOBA/Ing. Aer. A.L. Taravela                                  | SACO                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| USHUAIA/Malvinas Argentinas                                                                   | RNS&AS     | SAWH                                    | COMODORO RIVADAVIA/General<br>Mosconi                            | SAVC                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |            |                                         | Responsible MET Office<br>French text<br>Oficina MET responsable |                                         | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                      | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                    |
|-----------------------------------------------------------------------------------------------|------------|-----------------------------------------|------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|----|---|---|--------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|--------------------|
| Name<br>French text<br>Nombre                                                                 | Use<br>Uso | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | Name<br>French Text<br>Nombre                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | A                                                                                   | B1 | F | H | O<br>T<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h |
| 1                                                                                             | 2          | 3                                       | 4                                                                | 5                                       | 6                                                                                   |    |   |   |                                      | 7                                                                                            | 8                                                                          | 9                  | 10                 |
| <b>ARUBA (Netherlands)</b><br>ORANJESTAD/Reina Beatrix,<br>Aruba I.                           | RS         | TNCA                                    | WILLEMSTAD/Hato, Curacao I.                                      | TNCC                                    |                                                                                     | X  |   |   |                                      | E,K,M,S,T                                                                                    |                                                                            |                    | X                  |
| <b>BAHAMAS</b>                                                                                |            |                                         |                                                                  |                                         | X                                                                                   | X  |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| ALICE TOWN/South Bimini,<br>Bimini I.                                                         | RS         | MYBS                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | K,M                                                                                          |                                                                            |                    | X                  |
| COCKBURN TOWN/San<br>Salvador I.                                                              | RS         | MYSM                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | K,M                                                                                          |                                                                            |                    | X                  |
| FREEPORT/Freeport Intl, Grand<br>Bahama I.                                                    | RS         | MYGF                                    | FREEPORT /Freeport Intl,<br>Grand Bahama I.                      | MYGF                                    |                                                                                     |    |   |   |                                      | C,K,M                                                                                        |                                                                            | X                  |                    |
| GEORGE TOWN/George Town,<br>Exuma I.                                                          | RS         | MYEG                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | K,M                                                                                          |                                                                            |                    |                    |
| GOVERNOR'S HARBOUR/<br>Governor's Harbour, Eleuthera I.                                       | RS         | MYEM                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | K,M,T                                                                                        |                                                                            |                    |                    |
| MARSH HARBOUR/Marsh Harbour,<br>Abaco I.                                                      | RS         | MYAM                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | K,M                                                                                          |                                                                            |                    |                    |
| NASSAU/Nassau Intl, New<br>Providence I.                                                      | RS         | MYNN                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | C,E,K,M,T                                                                                    |                                                                            |                    | X                  |
| NORTH ELEUTHERA/North<br>Eleuthera, Eleuthera I.                                              | RS         | MYEH                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | K,M                                                                                          |                                                                            |                    |                    |
| STELLA MARIS/Long Island I.                                                                   | RS         | MYLS                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| TREASURE CAY/Treasure Cay,<br>Abaco I.                                                        | RS         | MYAT                                    | NASSAU/Nassau Intl, New<br>Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | C,K                                                                                          |                                                                            |                    |                    |
| WEST END/West End, Grand<br>Bahama I.                                                         | RNS&<br>AS | MYGW                                    | NASSAU/Nassau Intl,<br>New Providence I.                         | MYNN                                    |                                                                                     |    |   |   |                                      | C,K                                                                                          |                                                                            |                    |                    |
| <b>BARBADOS</b>                                                                               |            |                                         |                                                                  |                                         | X                                                                                   | X  |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| BRIDGETOWN/Grantley Adams Intl                                                                | RS         | TBPB                                    | BRIDGETOWN/Grantley Adams<br>Intl                                | TBPB                                    |                                                                                     |    | X |   |                                      | B,C,E,G,K,L,M,S,T                                                                            | X                                                                          |                    | X                  |
| <b>BELIZE</b>                                                                                 |            |                                         |                                                                  |                                         |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| BELIZE/Philip S.W. Goldson Intl                                                               | RS         | MZBZ                                    | BELIZE/ Philip S.W. Goldson Intl                                 | MZBZ                                    |                                                                                     |    |   |   |                                      | K,M                                                                                          |                                                                            |                    | X                  |
| <b>BOLIVIA</b>                                                                                |            |                                         |                                                                  |                                         | X                                                                                   | X  |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| COCHABAMBA/Jorge Wilsterman                                                                   | AS         | SLCB                                    | COCHABAMBA/Jorge Wilsterman                                      | SLCB                                    |                                                                                     |    |   |   |                                      | S                                                                                            | X                                                                          |                    | X                  |
| LA PAZ/EI Alto                                                                                | RS         | SLLP                                    | LA PAZ/EI Alto                                                   | SLLP                                    |                                                                                     |    |   |   |                                      | K,M,S                                                                                        | X                                                                          |                    | X                  |
| SANTA CRUZ/Viru-Viru                                                                          | RS         | SLVR                                    | SANTA CRUZ/Viru-Viru                                             | SLVR                                    |                                                                                     |    |   |   |                                      | K,M,S                                                                                        | X                                                                          |                    | X                  |
| TARIJA/Oriel Lea Plaza                                                                        | RNS&AS     | SLTJ                                    | COCHABAMBA/Jorge Wilsterman                                      | SLCB                                    |                                                                                     |    |   |   |                                      | S                                                                                            |                                                                            |                    | X                  |
| TRINIDAD/Tte.Av. Jorge Henrich<br>Arauz                                                       | AS         | SLTR                                    | LA PAZ/EI Alto                                                   | SLLP                                    |                                                                                     |    |   |   |                                      | S                                                                                            | X                                                                          |                    | X                  |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |            |                                         | Responsible MET Office<br>French text<br>Oficina MET responsable |                                         | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                 | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                    |
|-----------------------------------------------------------------------------------------------|------------|-----------------------------------------|------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|----|---|---|---------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|--------------------|
| Name<br>French text<br>Nombre                                                                 | Use<br>Uso | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | Name<br>French Text<br>Nombre                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | A                                                                                   | B1 | F | H | O<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h |
| 1                                                                                             | 2          | 3                                       | 4                                                                | 5                                       | 6                                                                                   |    |   |   |                                 | 7                                                                                            | 8                                                                          | 9                  | 10                 |
| <b>BRAZIL</b>                                                                                 |            |                                         |                                                                  |                                         | X                                                                                   | X  |   |   |                                 |                                                                                              |                                                                            |                    |                    |
| BELEM/Val de Caes                                                                             | RS         | SBBE                                    | BELEM/Val de Caes                                                | SBBE                                    |                                                                                     |    |   |   |                                 | K,S                                                                                          | X                                                                          |                    | X                  |
| BELO HORIZONTE/Tancredo<br>Neves                                                              | RS         | SBCF                                    | RIO DE JANEIRO/Antonio Carlos<br>Jobim Intl                      | SBGL                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| BOA VISTA/Boa Vista Intl                                                                      | RS         | SBBV                                    | MANAUS/ Eduardo Gomes                                            | SBEG                                    |                                                                                     |    |   |   |                                 | K,S,T                                                                                        |                                                                            |                    | X                  |
| BRASILIA/Brasília Intl                                                                        | RS         | SBBR                                    | BRASILIA/Brasília Intl                                           | SBBR                                    |                                                                                     |    |   |   |                                 | K,S                                                                                          | X                                                                          |                    | X                  |
| CAMPINAS/Viracopos                                                                            | RS         | SBKP                                    | SAO PAULO/Guarulhos Intl                                         | SBGR                                    |                                                                                     |    |   |   |                                 | G,L,S                                                                                        |                                                                            |                    | X                  |
| CAMPO GRANDE/Campo Grande<br>Intl                                                             | RS         | SBCG                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| CORUMBA/Corumba Intl                                                                          | RS         | SBCR                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| CRUZEIRO DO SUL/Cruzeiro do<br>Sul Intl                                                       | RS         | SBCZ                                    | MANAUS/Eduardo Gomes                                             | SBEG                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| CUIABA/Marechal Rondon                                                                        | RS         | SBCY                                    | BRASILIA/Brasília Intl                                           | SBBR                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| CURITIBA/Afonso Pena                                                                          | RS         | SBCT                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| FLORIANÓPOLIS/Hercílio Luz Intl                                                               | RS         | SBFL                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| FORTALEZA/Pinto Martins                                                                       | RS         | SBFZ                                    | RECIFE/Guararapes                                                | SBRF                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| FOZ DO IGUAÇU/Cataratas                                                                       | RS         | SBFI                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| MACAPA/Macapa Intl                                                                            | RS         | SBMQ                                    | BELEM/Val de Caes                                                | SBBE                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| MANAUS/Eduardo Gomes                                                                          | RS         | SBEG                                    | MANAUS/Eduardo Gomes                                             | SBEG                                    |                                                                                     |    |   |   |                                 | K,M,S,T                                                                                      | X                                                                          |                    | X                  |
| NATAL/Augusto Severo                                                                          | AS         | SBNT                                    | RECIFE/Guararapes                                                | SBRF                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| PONTA PORA/Ponta Pora Intl                                                                    | RS         | SBPP                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| PORTO ALEGRE/Salgado Filho                                                                    | RS         | SBPA                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            | X                                                                          |                    | X                  |
| RECIFE/Guararapes                                                                             | RS         | SBRF                                    | RECIFE/Guararapes                                                | SBRF                                    |                                                                                     |    |   |   |                                 | E,G,K,L,S                                                                                    | X                                                                          |                    | X                  |
| RIO DE JANEIRO/Galeao, Antonio<br>Carlos Jobim Intl                                           | RS         | SBGL                                    | RIO DE JANEIRO/Galeao, Antonio<br>Carlos Jobim Intl              | SBGL                                    |                                                                                     |    |   |   |                                 | C,D,E,F,G,K,L,M,S,<br>T                                                                      | X                                                                          |                    | X                  |
| SALVADOR/Deputado Luis Eduardo<br>Magalhaes                                                   | RS         | SBSV                                    | RECIFE/Guararapes                                                | SBRF                                    |                                                                                     |    |   |   |                                 | D,E,S                                                                                        |                                                                            |                    | X                  |
| SANTAREM/Santarém Intl                                                                        | AS         | SBSN                                    | BELEM/Val de Caes                                                | SBBE                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| SAO LUÍS/Marechal Cunha<br>Machado                                                            | AS         | SBSL                                    | BELEM-Val de Caes                                                | SBBE                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| SAO PAULO/Guarulhos Intl                                                                      | RS         | SBGR                                    | SAO PAULO/Guarulhos Intl                                         | SBGR                                    |                                                                                     |    |   |   |                                 | G,K,L,M,S                                                                                    | X                                                                          |                    | X                  |
| TABATINGA/Tabatinga Intl                                                                      | RS         | SBTT                                    | MANAUS/Eduardo Gomes                                             | SBEG                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| URUGUAIANA/Rubem Berta                                                                        | RS         | SBUG                                    | PORTO ALEGRE/Salgado Filho                                       | SBPA                                    |                                                                                     |    |   |   |                                 | S                                                                                            |                                                                            |                    | X                  |
| <b>CAYMAN ISLANDS<br/>(United Kingdom)</b>                                                    |            |                                         |                                                                  |                                         |                                                                                     | X  |   |   |                                 |                                                                                              |                                                                            |                    |                    |
| CAYMAN BRAC/Gerrard Smith Intl                                                                | RS         | MWCB                                    | MIAMI/Intl                                                       | KMIA                                    |                                                                                     |    |   |   |                                 | K                                                                                            |                                                                            |                    | X                  |
| GEORGETOWN/Owen Roberts Intl                                                                  | RS         | MWCR                                    | GEORGETOWN/Owen Roberts Intl                                     | MWCR                                    |                                                                                     |    |   |   |                                 | C,K,M,S                                                                                      |                                                                            |                    | X                  |
| <b>CHILE</b>                                                                                  |            |                                         |                                                                  |                                         | X                                                                                   | X  | X |   |                                 |                                                                                              |                                                                            |                    |                    |
| ANTOFAGASTA/Cerro Moreno                                                                      | AS         | SCFA                                    | ANTOFAGASTA/Cerro Moreno                                         | SCFA                                    |                                                                                     |    |   |   |                                 | S                                                                                            | X                                                                          | X                  | X                  |
| ARICA/Chacalluta                                                                              | RS         | SCAR                                    | ANTOFAGASTA/Cerro Moreno                                         | SCFA                                    |                                                                                     |    |   |   |                                 | S                                                                                            | X                                                                          | X                  | X                  |
| CONCEPCION/Carriel Sur                                                                        | RS         | SCIE                                    | SANTIAGO/Arturo Merino Benítez                                   | SCEL                                    |                                                                                     |    |   |   |                                 | S                                                                                            | X                                                                          | X                  |                    |
| IQUIQUE/Gral Diego Aracena Intl.                                                              | RS         | SCDA                                    | ANTOFAGASTA/Cerro Moreno                                         | SCFA                                    |                                                                                     |    |   |   |                                 | S                                                                                            | X                                                                          | X                  |                    |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio                                          |                          |                                         | Responsible MET Office<br>French text<br>Oficina MET responsable                                                                 |                                         | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                      | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                      |                    |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|----|---|---|--------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------|--------------------|
| Name<br>French text<br>Nombre                                                                                                          | Use<br>Uso               | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | Name<br>French Text<br>Nombre                                                                                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | A                                                                                   | B1 | F | H | O<br>T<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h   | t<br>a<br>f<br>24h |
| 1                                                                                                                                      | 2                        | 3                                       | 4                                                                                                                                | 5                                       | 6                                                                                   |    |   |   |                                      | 7                                                                                            | 8                                                                          | 9                    | 10                 |
| PUERTO MONTT/EI Tepual<br>PUNTA ARENAS/Pdte. C. Ibañez<br>del Campo<br>SANTIAGO/Arturo Merino Benitez<br>TEMUCO/Maquehue               | RS<br>AS<br><br>RS<br>RS | SCTE<br>SCCI<br><br>SCEL<br>SCTC        | PUERTO MONTT/EI Tepual<br>PUNTA ARENAS/Pdte. C. Ibañez<br>del Campo<br>SANTIAGO/Arturo Merino Benítez<br>PUERTO MONTT/EI Tepual  | SCTE<br>SCCI<br><br>SCEL<br>SCTE        |                                                                                     |    |   |   |                                      | S<br>S<br><br>C,K,M,N,S,T<br>S                                                               | X<br>X<br><br>X<br>X                                                       | X<br>X<br><br>X<br>X | <br><br><br><br>X  |
| <b>COLOMBIA</b><br>BARRANQUILLA/Ernesto Cortissoz                                                                                      | RS                       | SKBQ                                    | BARRANQUILLA/Ernesto<br>Cortissoz                                                                                                | SKBQ                                    | X                                                                                   | X  |   |   |                                      | K,M,S,T                                                                                      |                                                                            |                      | X                  |
| CALI/Alfonso Bonilla Aragón                                                                                                            | RS                       | SKCL                                    | CALI/Alfonso Bonilla Aragón                                                                                                      | SKCL                                    |                                                                                     |    |   |   |                                      | K,M,S                                                                                        |                                                                            |                      | X                  |
| CARTAGENA/Rafael Núñez                                                                                                                 | RS                       | SKCG                                    | CARTAGENA/Rafael Núñez                                                                                                           | SKCG                                    |                                                                                     |    |   |   |                                      | C,K,M,S                                                                                      |                                                                            |                      | X                  |
| CUCUTA/Camilo Daza                                                                                                                     | RNS&AS                   | SKCC                                    | CUCUTA/Camilo Daza                                                                                                               | SKCC                                    |                                                                                     |    |   |   |                                      | K                                                                                            |                                                                            |                      | X                  |
| LETICIA/Alfredo Vásquez Cobo                                                                                                           | RNS&AS                   | SKLT                                    | SANTA FE DE BOGOTA/Eldorado                                                                                                      | SKBO                                    |                                                                                     |    |   |   |                                      | C,E,K,L,M,S,T                                                                                |                                                                            |                      | X                  |
| RIONEGRO/José María Córdoba                                                                                                            | RS                       | SKRG                                    | RIONEGRO/José María Córdoba                                                                                                      | SKRG                                    |                                                                                     |    |   |   |                                      | K,M,S,T                                                                                      |                                                                            |                      | X                  |
| SAN ANDRES I./Sesquicentenario                                                                                                         | RS                       | SKSP                                    | SAN ANDRES I./Sesquicentenario                                                                                                   | SKSP                                    |                                                                                     |    |   |   |                                      | K,M,S                                                                                        |                                                                            |                      | X                  |
| SANTA FE DE BOGOTA/Eldorado                                                                                                            | RS                       | SKBO                                    | SANTA FE DE BOGOTA/Eldorado                                                                                                      | SKBO                                    |                                                                                     |    |   |   |                                      | C,E,K,L,M,S,T                                                                                | X                                                                          |                      | X                  |
| <b>COSTA RICA</b><br>ALAJUELA/Juan Santamaría Intl<br>LIBERIA/Daniel Oduber Quirós<br>LIMON/Limón Intl<br>PAVAS/Tobías Bolanos Intl    | RS<br>RNS&AS<br>RG<br>RG | MROC<br>MRLB<br>MRLM<br>MRPV            | ALAJUELA/Juan Santamaría Intl<br>ALAJUELA/Juan Santamaría Intl<br>ALAJUELA/Juan Santamaría Intl<br>ALAJUELA/Juan Santamaría Intl | MROC<br>MROC<br>MROC<br>MROC            | X                                                                                   | X  |   |   |                                      | C,K,M,S,T                                                                                    | X                                                                          |                      | X<br>X<br>X<br>X   |
| <b>CUBA</b><br>CAMAGUEY/Ignacio Agramonte<br>CAYO LARGO DEL SUR/Vilo<br>Acuña<br>CIEGO DE AVILA/Maximo Gomez<br>HABANA/José Martí Intl | RS<br>RS<br><br>RS<br>RS | MUCM<br>MUCL<br><br>MUCA<br>MUHA        | HABANA/José Martí Intl<br>HABANA/José Martí Intl<br><br>HABANA/José Martí Intl<br>HABANA/José Martí Intl                         | MUHA<br>MUHA<br><br>MUHA<br>MUHA        | X                                                                                   | X  |   | X |                                      | C,E,K,L,M,S,T<br>C,E,K,L,M,S,T                                                               |                                                                            | X                    | X<br><br><br>X     |
| HOLGUIN/Frank País<br>SANTIAGO DE CUBA/Antonio<br>Maceo<br>VARADERO/ Juan Gualberto<br>Gómez                                           | RS<br>RS<br><br>RS       | MUHG<br>MUCU<br><br>MUVR                | HABANA/José Martí Intl<br>HABANA/José Martí Intl<br><br>HABANA/José Martí Intl                                                   | MUHA<br>MUHA<br><br>MUHA                |                                                                                     |    |   |   |                                      | C,E,K,L,M,S,T<br>C,E,K,L,M,S,T<br>T<br>C,E,K,L,M,S,T<br>C,L,M,S,T                            |                                                                            | X<br><br>X           | X<br>X<br><br>X    |
| <b>DOMINICA</b><br>MELVILLE HALL/Dominica<br><br>ROSEAU/Canefield                                                                      | RS<br><br>RS             | TDPD<br><br>TDPR                        | BRIDGETOWN/Grantley<br>Adams Intl<br>BRIDGETOWN/Grantley<br>Adams Intl                                                           | TBPB<br><br>TBPB                        |                                                                                     | X  |   |   |                                      | T                                                                                            |                                                                            |                      | X<br><br>X         |
| <b>DOMINICAN REPUBLIC</b>                                                                                                              |                          |                                         |                                                                                                                                  |                                         | X                                                                                   | X  |   |   |                                      |                                                                                              |                                                                            |                      |                    |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |            |                                         | Responsible MET Office<br>French text<br>Oficina MET responsable |                                         | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                      | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                    |
|-----------------------------------------------------------------------------------------------|------------|-----------------------------------------|------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|----|---|---|--------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|--------------------|
| Name<br>French text<br>Nombre                                                                 | Use<br>Uso | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | Name<br>French Text<br>Nombre                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | A                                                                                   | B1 | F | H | O<br>T<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h |
| 1                                                                                             | 2          | 3                                       | 4                                                                | 5                                       | 6                                                                                   |    |   |   |                                      | 7                                                                                            | 8                                                                          | 9                  | 10                 |
| BARAHONA/Arpto. Internacional<br>María Montes                                                 | RS         | MDBH                                    | SANTO DOMINGO/De Las<br>Américas Intl                            | MDSD                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| HERRERA/Arpto. Internacional de<br>Herrera                                                    | RS         | MDHE                                    | SANTO DOMINGO/De Las<br>Américas Intl                            | MDSD                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| LA ROMANA/La Romana Intl                                                                      | RS         | MDLR                                    | SANTO DOMINGO/De Las<br>Américas Intl                            | MDSD                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| PUERTO PLATA/Gregorio<br>Luperón Intl                                                         | RS         | MDPP                                    | SANTO DOMINGO/De Las<br>Américas Intl                            | MDSD                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| PUNTA CANA/Punta Cana Intl                                                                    | RS         | MDPC                                    | SANTO DOMINGO/De Las<br>Américas Intl                            | MDSD                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| SANTIAGO/Cibao Intl                                                                           | RS         | MDST                                    | SANTO DOMINGO/De Las<br>Américas Intl                            | MDSD                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| SANTO DOMINGO/De Las<br>Américas Intl                                                         | RS         | MDSD                                    | SANTO DOMINGO/De Las<br>Américas Intl                            | MDSD                                    |                                                                                     | X  |   |   |                                      | C,E,K,L,M,S,T                                                                                | X                                                                          |                    | X                  |
| <b>ECUADOR</b>                                                                                |            |                                         |                                                                  |                                         |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| GUAYAQUIL/Simón Bolívar                                                                       | RS         | SEGU                                    | GUAYAQUIL/Simón Bolívar                                          | SEGU                                    |                                                                                     |    |   |   |                                      | K,M,S,T                                                                                      |                                                                            |                    | X                  |
| LATACUNGA/Cotopaxi                                                                            | RNS&AS     | SELT                                    | QUITO/Mariscal Sucre                                             | SEQU                                    |                                                                                     |    |   |   |                                      | K,M,S,T                                                                                      |                                                                            |                    | X                  |
| MANTA/Eloy Alfaro                                                                             | RS         | SEMT                                    | QUITO/Mariscal Sucre                                             | SEQU                                    |                                                                                     |    |   |   |                                      | K,M,S,T                                                                                      |                                                                            |                    | X                  |
| QUITO/Mariscal Sucre                                                                          | RS         | SEQU                                    | QUITO/Mariscal Sucre                                             | SEQU                                    |                                                                                     |    |   |   |                                      | K,M,S,T                                                                                      | X                                                                          |                    | X                  |
| <b>EL SALVADOR</b>                                                                            |            |                                         |                                                                  |                                         |                                                                                     | X  |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| SAN SALVADOR/EI Salvador Intl                                                                 | RS         | MSLP                                    | SAN SALVADOR/EI Salvador Intl                                    | MSLP                                    |                                                                                     |    |   |   |                                      | K,M,S                                                                                        |                                                                            |                    | X                  |
| SAN SALVADOR/Ilopango Intl                                                                    | RG         | MSSS                                    | SAN SALVADOR/EI Salvador Intl                                    | MSLP                                    |                                                                                     |    |   |   |                                      | K,M,S                                                                                        |                                                                            |                    |                    |
| <b>FRENCH ANTILLES (France)</b>                                                               |            |                                         |                                                                  |                                         | X                                                                                   | X  |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| FORT-DE-FRANCE/Le Lamentin,<br>Martinique                                                     | RS         | TFFF                                    | FORT-DE-FRANCE/Le Lamentin,<br>Martinique                        | TFFF                                    |                                                                                     |    |   |   |                                      | C,G,K,L,M,S,T                                                                                | X                                                                          |                    | X                  |
| POINTE-A-PITRE/Le Raizet,<br>Guadeloupe                                                       | RS         | TFFR                                    | POINTE-A-PITRE/Le Raizet,<br>Guadeloupe                          | TFFR                                    |                                                                                     |    |   |   |                                      | C,G,K,L,M,S,T                                                                                | X                                                                          |                    | X                  |
| SAINT BARTHELEMY/ Saint<br>Barthelemy, Guadeloupe                                             | RS         | TFFJ                                    | POINTE-A-PITRE/Le Raizet,<br>Guadeloupe                          | TFFR                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| SAINT MARTIN/Grand Case,<br>Guadeloupe                                                        | RS         | TFFG                                    | POINTE-A-PITRE/Le Raizet,<br>Guadeloupe                          | TFFR                                    |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    | X                  |
| <b>FRENCH GUIANA (France)</b>                                                                 |            |                                         |                                                                  |                                         |                                                                                     | X  |   |   |                                      |                                                                                              |                                                                            |                    |                    |
| CAYENNE/Rochambeau                                                                            | RS         | SOCA                                    | CAYENNE/Rochambeau                                               | SOCA                                    |                                                                                     |    |   |   |                                      | G, K,L,M,S,T                                                                                 | X                                                                          |                    | X                  |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio                                                                                                        |                                    |                                          | Responsible MET Office<br>French text<br>Oficina MET responsable                                                                                                                                             |                                          | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                            | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|----|---|---|----------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|------------------------------|
| Name<br>French text<br>Nombre                                                                                                                                                                        | Use<br>Uso                         | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI  | Name<br>French Text<br>Nombre                                                                                                                                                                                | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI  | A                                                                                   | B1 | F | H | O<br>T<br>H<br>R<br>E<br>A |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h           |
| 1                                                                                                                                                                                                    | 2                                  | 3                                        | 4                                                                                                                                                                                                            | 5                                        | 6                                                                                   |    |   |   |                            | 7                                                                                            | 8                                                                          | 9                  | 10                           |
| <b>GRENADA</b><br>LAURISTON/Carriacou I.<br>SAINT GEORGES/Point Salines,                                                                                                                             | RS<br>RS                           | TGPZ<br>TGPY                             | SAINT GEORGES/Point Salines<br>SAINT GEORGES/Point Salines                                                                                                                                                   | TGPY<br>TGPY                             |                                                                                     | X  |   |   |                            | K,T                                                                                          |                                                                            |                    | X<br>X                       |
| <b>GUATEMALA</b><br>FLORES/Flores Intl<br>GUATEMALA/La Aurora<br>PUERTO BARRIOS/Puerto Barrios<br>SAN JOSE/San José                                                                                  | RS<br>RS<br>RG&AS<br>RG&AS         | MGFL<br>MGGT<br>MGPB<br>MGSJ             | GUATEMALA/La Aurora<br>GUATEMALA/La Aurora<br>GUATEMALA/La Aurora<br>GUATEMALA/La Aurora                                                                                                                     | MGGT<br>MGGT<br>MGGT<br>MGGT             | X                                                                                   |    |   |   |                            | K,M,S,T                                                                                      | X                                                                          |                    | X<br>X<br>X<br>X             |
| <b>GUYANA</b><br>TIMEHRI/Cheddi Jagan Intl                                                                                                                                                           | RS                                 | SYCJ                                     | TIMEHRI/Cheddi Jagan Intl                                                                                                                                                                                    | SYCJ                                     | X                                                                                   |    |   |   |                            | C,K,M,S,T                                                                                    | X                                                                          |                    | X                            |
| <b>HAITI</b><br>CAP HAITIEN/Cap Haitien Intl<br><br>PORT-AU-PRINCE/Port-au-Prince<br>Intl                                                                                                            | RS<br><br>RS                       | MTCH<br><br>MTPP                         | PORT-AU-PRINCE/Port-au-Prince<br>Intl<br>PORT-AU-PRINCE/Port-au-Prince<br>Intl                                                                                                                               | MTPP<br><br>MTPP                         | X                                                                                   |    |   |   |                            | M<br><br>C,K,M,T                                                                             |                                                                            |                    | X<br><br>X                   |
| <b>HONDURAS</b><br>LA CEIBA/Goloson Intl<br>COXEN HOLE/Juan Manuel Galvez<br>Intl, Roatán I.<br>SAN PEDRO SULA/La Mesa Intl<br>TEGUCIGALPA/Toncontin Intl                                            | RS<br>RS<br><br>RS<br>RS           | MHLC<br>MHRO<br><br>MHLM<br>MHTG         | TEGUCIGALPA/Toncontín Intl<br>TEGUCIGALPA/Toncontín Intl<br><br>TEGUCIGALPA/Toncontín Intl<br>TEGUCIGALPA/Toncontín Intl                                                                                     | MHTG<br>MHTG<br><br>MHTG<br>MHTG         |                                                                                     |    |   |   |                            | K,M<br>K,M<br><br>K,M<br>K,M,S                                                               |                                                                            |                    | X<br><br>X                   |
| <b>JAMAICA</b><br>KINGSTON/Norman Manley Intl<br>MONTEGO BAY/Sangster Intl                                                                                                                           | RS<br>RS                           | MKJP<br>MKJS                             | KINGSTON/Norman Manley Intl<br>KINGSTON/Norman Manley Intl                                                                                                                                                   | MKJP<br>MKJP                             | X                                                                                   | X  |   |   |                            | C,E,K,M,T<br>C,E,K,M,T                                                                       |                                                                            |                    | X<br>X                       |
| <b>MEXICO</b><br>ACAPULCO/Gral. Juan N. Alvarez<br>Intl<br>BAHIAS DE HUATULCO/Bahias de<br>Huatulco Intl<br>CAMPECHE/Ing. Alberto Acuña<br>Ongay<br>CANCUN/Cancún Intl<br><br>CHETUMAL/Chetumal Intl | RS<br><br>RNS&AS<br>RG<br>RS<br>RS | MMAA<br><br>MMBT<br>MMCP<br>MMUN<br>MMCM | MEXICO/Lic.Benito Juarez Intl<br><br>MEXICO/Lic.Benito Juárez Intl<br>MERIDA/Lic. Manuel Crecencio<br>Rejón Intl<br>MERIDA/Lic. Manuel Crecencio<br>Rejón Intl<br>MERIDA/Lic. Manuel Crecencio<br>Rejón Intl | MMMX<br><br>MMMX<br>MMMD<br>MMMD<br>MMMD | X                                                                                   | X  |   |   |                            | C,K,S<br><br>C,K,S<br><br>C,E,K,L,M<br><br>K,M                                               |                                                                            |                    | X<br><br>X<br><br>X<br><br>X |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |            |                                         | Responsible MET Office<br>French text<br>Oficina MET responsable |                                         | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                 | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                    |
|-----------------------------------------------------------------------------------------------|------------|-----------------------------------------|------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------|----|---|---|---------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|--------------------|
| Name<br>French text<br>Nombre                                                                 | Use<br>Uso | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | Name<br>French Text<br>Nombre                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI | A                                                                                   | B1 | F | H | O<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h |
| 1                                                                                             | 2          | 3                                       | 4                                                                | 5                                       | 6                                                                                   |    |   |   |                                 | 7                                                                                            | 8                                                                          | 9                  | 10                 |
| CHIHUAHUA/Gral. Roberto Fierro Villalobos Intl                                                | RS         | MMCU                                    | MONTERREY/Gral. Mariano Escobedo Intl                            | MMMY                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| CIUDAD ACUNA/Ciudad Acuña Intl                                                                | RG         | MMMC                                    | MONTERREY/Gral. Mariano Escobedo Intl                            | MMMY                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| CIUDAD JUAREZ/Abraham González Intl                                                           | RG&AS      | MMCS                                    | MONTERREY/Gral. Mariano Escobedo Intl                            | MMMY                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| COZUMEL/Cozumel Intl                                                                          | RS         | MMCZ                                    | MERIDA/Lic. Manuel Crecencio Rejón Intl                          | MMMD                                    |                                                                                     |    |   |   |                                 | C,K,M                                                                                        |                                                                            |                    | X                  |
| CULIACAN/Fidel Bachigualato                                                                   | RS         | MMCL                                    | MAZATLÁN/Gral. Rafael Buelna Intl                                | MMMZ                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| DURANGO/Pte. Guadalupe Victoria Intl                                                          | RS         | MMDO                                    | MAZATLÁN/Gral. Rafael Buelna Intl                                | MMMZ                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| GUADALAJARA/Miguel Hidalgo y Costilla Intl                                                    | RS         | MMGL                                    | MEXICO/Lic. Benito Juárez Intl                                   | MMMZ                                    |                                                                                     |    |   |   |                                 | C,K,M                                                                                        | X                                                                          |                    | X                  |
| GUAYMAS/Gral. José María Yañez Intl                                                           | RS         | MMGM                                    | MAZATLAN/Gral. Rafael Buelna Intl                                | MMMZ                                    |                                                                                     |    |   |   |                                 | C,K,M                                                                                        |                                                                            |                    | X                  |
| HERMOSILLO/Gral. I. Pesqueira García Intl                                                     | RS         | MMHO                                    | MAZATLAN/Gral. Rafael Buelna Intl                                | MMMZ                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| IXTAPA-ZIHUATANEJO/Ixtapa-Zihuatanejo Intl                                                    | RS         | MMZH                                    | GUADALAJARA/Miguel Hidalgo y Costilla Intl                       | MMGL                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| LA PAZ/Gral. Manuel Márquez de Leon Intl                                                      | RS         | MMLP                                    | MAZATLAN/Gral. Rafael Buelna Intl                                | MMMZ                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| LEON/Guanajuato                                                                               | RS         | MMLO                                    | GUADALAJARA/Miguel Hidalgo y Costilla Intl                       | MMGL                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| LORETO/Loreto Intl                                                                            | RS         | MMLT                                    | MAZATLAN/Gral. Rafael Buelna Intl                                | MMMZ                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| MANZANILLO/Playa de Oro                                                                       | RS         | MMZO                                    | GUADALAJARA/Miguel Hidalgo y Costilla Intl                       | MMGL                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| MATAMOROS/Matamoras Intl                                                                      | RG & AS    | MMMA                                    | MONTERREY/Gral. Mariano Escobedo Intl                            | MMMY                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| MAZATLAN/Gral. Rafael Buelna Intl                                                             | RS         | MMMZ                                    | MEXICO/Lic. Benito Juárez Intl                                   | MMMZ                                    |                                                                                     |    |   |   |                                 | C,K,M                                                                                        |                                                                            |                    | X                  |
| MERIDA/Lic. Manuel Crecencio Rejon Intl                                                       | RS         | MMMD                                    | MEXICO/Lic. Benito Juárez Intl                                   | MMMZ                                    |                                                                                     |    |   |   |                                 | C,E,K,M                                                                                      |                                                                            |                    | X                  |
| MEXICALI/Gral. Rodolfo Sánchez Taboada Intl                                                   | RG         | MMML                                    | MAZATLAN/Gral. Rafael Buelna Intl                                | MMMZ                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| MEXICO/Lic. Benito Juárez Intl                                                                | RS         | MMMZ                                    | MEXICO/Lic. Benito Juárez Intl                                   | MMMZ                                    |                                                                                     |    |   |   |                                 | C,E,K,L,M,S,T                                                                                | X                                                                          |                    | X                  |
| MONTERREY/Del Norte Intl                                                                      | RG&AS      | MMAN                                    | MONTERREY/Gral. Mariano Escobedo Intl                            | MMMY                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| MONTERREY/Gral. Mariano Escobedo Intl                                                         | RS         | MMMY                                    | MEXICO/Lic. Benito Juárez Intl                                   | MMMZ                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| MORELIA/Gral. Francisco Y. Mujica Intl                                                        | RS         | MMMM                                    | GUADALAJARA/Miguel Hidalgo y Costilla Intl                       | MMGL                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| NOGALES/Nogales Intl                                                                          | RG         | MMNG                                    | MONTERREY/Gral. Mariano Escobedo Intl                            | MMMY                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |
| NUEVO LAREDO/Quetzalcoatl Intl                                                                | RG         | MMNL                                    | MONTERREY/Gral. Mariano Escobedo Intl                            | MMMY                                    |                                                                                     |    |   |   |                                 | K,M                                                                                          |                                                                            |                    | X                  |

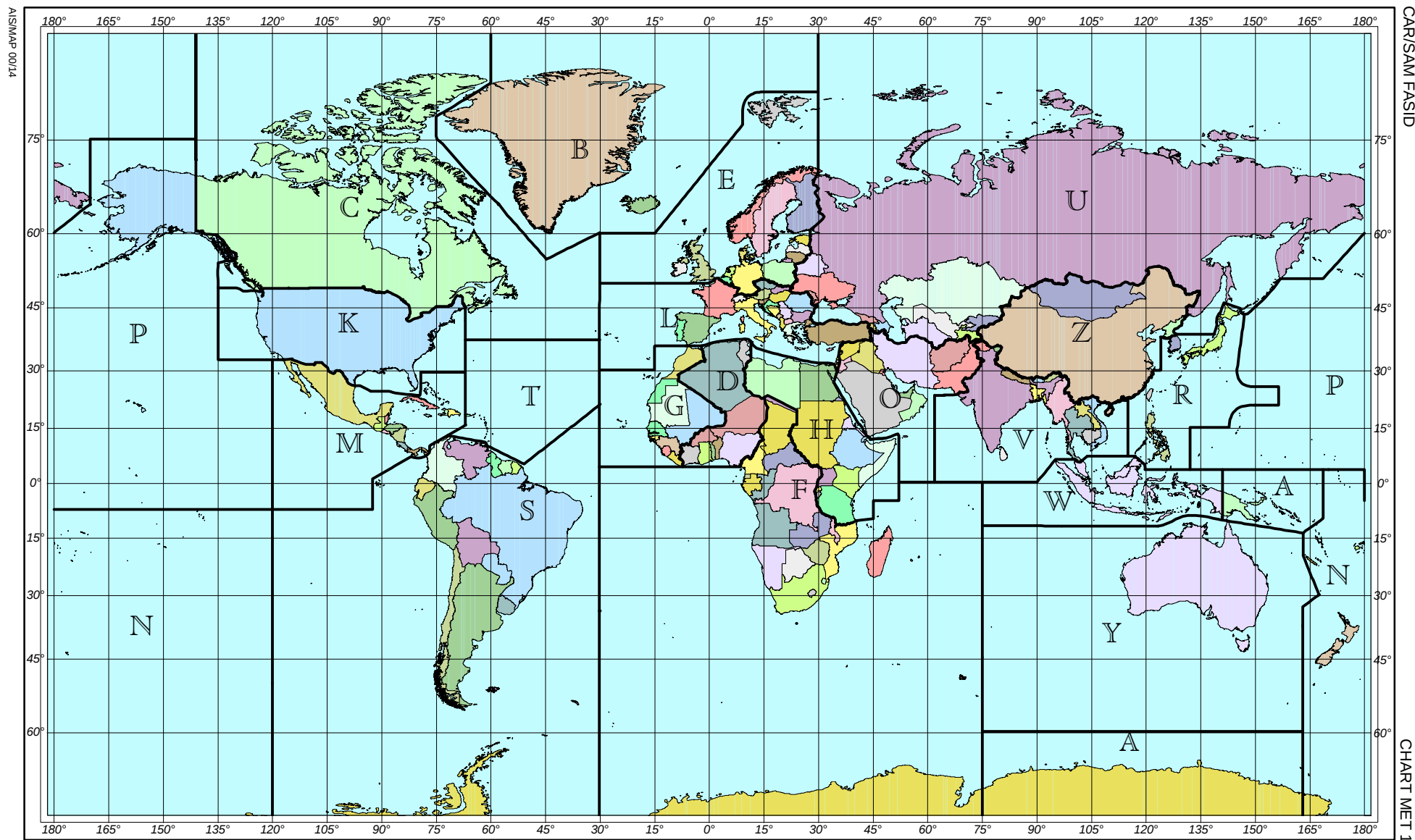


| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio                                                                                                                                                                                                                           |                                              |                                                              | Responsible MET Office<br>French text<br>Oficina MET responsable                                                                                                                                                                                                     |                                                              | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                                                  | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                       |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|---|------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------|--------------------|
| Name<br>French text<br>Nombre                                                                                                                                                                                                                                                                                           | Use<br>Uso                                   | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI                      | Name<br>French Text<br>Nombre                                                                                                                                                                                                                                        | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI                      | A                                                                                   | B1 | F | H | O<br>T<br>T<br>H<br>R<br>E<br>A<br>R                             |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h    | t<br>a<br>f<br>24h |
| 1                                                                                                                                                                                                                                                                                                                       | 2                                            | 3                                                            | 4                                                                                                                                                                                                                                                                    | 5                                                            | 6                                                                                   |    |   |   |                                                                  | 7                                                                                            | 8                                                                          | 9                     | 10                 |
| <b>PANAMA</b><br>BOCAS DEL TORO/Bocas del Toro<br>CHANGUINOLA/Cap. Manuel Niño<br>DAVID/Enrique Malek<br>PANAMA/Marco A. Gelabert<br>PANAMA/Tocumén Intl                                                                                                                                                                | RG&AS<br>RG&AS<br>RS<br>RG&AS<br>RS          | MPBO<br>MPCH<br>MPDA<br>MPMG<br>MPTO                         | PANAMA/Tocumen Intl<br>PANAMA/Tocumen Intl<br>PANAMA/Tocumen Intl<br>PANAMA/Tocumen Intl<br>PANAMA/Tocumen Intl                                                                                                                                                      | MPTO<br>MPTO<br>MPTO<br>MPTO<br>MPTO                         | X                                                                                   |    |   |   |                                                                  | K,M,S                                                                                        |                                                                            |                       | X                  |
| <b>PARAGUAY</b><br>ASUNCION/Silvio Pettirossi<br>CIUDAD DEL ESTE/Guaraní                                                                                                                                                                                                                                                | RS<br>RS                                     | SGAS<br>SGES                                                 | ASUNCION/Silvio Pettirossi<br>ASUNCION/Silvio Pettirossi                                                                                                                                                                                                             | SGAS<br>SGAS                                                 |                                                                                     | X  |   |   |                                                                  | G,K,L,M,S,T<br>G,K,L,M,S,T                                                                   |                                                                            |                       | X                  |
| <b>PERU</b><br>AREQUIPA/Rodríguez Ballón Intl<br>CHICLAYO/Cap. José Quiñones<br>González<br>CUSCO/Velazco Astete<br>IQUITOS/Crnel. FAP Francisco<br>Secada Vignetta<br>LIMA-CALLAO/Jorge Chávez Intl<br>PISCO/Pisco<br>TACNA/Crnel. FAP Carlos Ciriani<br>Santa Rosa<br>TRUJILLO/Capitan Carlos Martinez<br>de Pinillos | AS<br>AS<br>RS<br>RS<br>RS<br>AS<br>RG<br>AS | SPQU<br>SPHI<br>SPZO<br>SPQT<br>SPIM<br>SPSO<br>SPTN<br>SPRU | LIMA-CALLAO/Jorge Chávez Intl<br>LIMA-CALLAO/Jorge Chávez Intl<br>LIMA-CALLAO/Jorge Chávez Intl<br>LIMA-CALLAO/Jorge Chávez Intl<br>LIMA-CALLAO/Jorge Chávez Intl<br>LIMA-CALLAO/Jorge Chávez Intl<br>LIMA-CALLAO/Jorge Chávez Intl<br>LIMA-CALLAO/Jorge Chávez Intl | SPIM<br>SPIM<br>SPIM<br>SPIM<br>SPIM<br>SPIM<br>SPIM<br>SPIM | X                                                                                   | X  |   |   | S<br>K,M,S,T<br>K,M,S<br>K,M,S,T<br>C,F,K,L,M,S,T<br>S<br>S<br>S | X<br>X<br>X<br>X<br>X                                                                        |                                                                            | X<br>X<br>X<br>X<br>X |                    |
| <b>PUERTO RICO (United States)</b><br>AGUADILLA/Rafael Hernandez Intl<br>FAJARDO/Diego Jiménez Torres<br>PONCE/Ponce-Mercedita<br>SAN JUAN/Luis Muñoz Marin Intl<br>VIEQUES/Antonio Rivera                                                                                                                              | RS<br>RS<br>AS<br>RS<br>RS                   | TJBQ<br>TJFA<br>TJPS<br>TJSJ<br>TJVQ                         | SAN JUAN/ Luis Muñoz Marin Intl<br>SAN JUAN/ Luis Muñoz Marin Intl<br>SAN JUAN/Luis Muñoz Marin Intl<br>SAN JUAN/Luis Muñoz Marin Intl<br>SAN JUAN/Luis Muñoz Marin Intl                                                                                             | TJSJ<br>TJSJ<br>TJSJ<br>TJSJ<br>TJSJ                         | X                                                                                   |    |   |   |                                                                  | K,M<br>M<br>E,K,L,M,S,T                                                                      |                                                                            | X                     | X<br>X             |
| <b>SAINT KITTS AND NEVIS</b><br>BASSETERRE/Robert L. Bradshaw,<br>Saint Kitts I.<br>CHARLESTON/Newcastle, Nevis I.                                                                                                                                                                                                      | RS<br>RS                                     | TKPK<br>TKPN                                                 | SAINT JOHNS/V.C.Bird, Antigua I.<br>SAINT JOHNS/V.C. Bird, Antigua I.                                                                                                                                                                                                | TAPA<br>TAPA                                                 |                                                                                     | X  |   |   |                                                                  | T<br>T                                                                                       |                                                                            |                       | X<br>X             |
| <b>SAINT LUCIA</b><br>CASTRIES/Vigie<br>VIEUX-FORT/Hewanorra Intl                                                                                                                                                                                                                                                       | RS<br>RS                                     | TLPC<br>TLPL                                                 | VIEUX-FORT/Hewanorra Intl<br>VIEUX-FORT/Hewanorra Intl                                                                                                                                                                                                               | TLPL<br>TLPL                                                 | X                                                                                   | X  |   |   |                                                                  | T<br>C,E,K,S,T                                                                               |                                                                            |                       | X<br>X             |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio                                                                                                                                                                      |                                  |                                                      | Responsible MET Office<br>French text<br>Oficina MET responsable                                                                                                                                 |                                                      | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                      | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                            |
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| Name<br>French text<br>Nombre                                                                                                                                                                                                                                      | Use<br>Uso                       | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI              | Name<br>French Text<br>Nombre                                                                                                                                                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI              | A                                                                                   | B1 | F | H | O<br>T<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h         |
| 1                                                                                                                                                                                                                                                                  | 2                                | 3                                                    | 4                                                                                                                                                                                                | 5                                                    | 6                                                                                   |    |   |   |                                      | 7                                                                                            | 8                                                                          | 9                  | 10                         |
| <b>SAINT VINCENT AND THE GRENADINES</b><br>BEQUIA/J.F. Mitchell<br>CANOUAN/Canouan<br>KINGSTOWN/E.T. Joshua                                                                                                                                                        | RS<br>RS<br>RS                   | TVSB<br>TVSC<br>TVSB                                 | BRIDGETOWN/Grantley Adams Intl                                                                                                                                                                   | TBPB                                                 |                                                                                     | X  |   |   |                                      | T                                                                                            |                                                                            |                    | X                          |
| <b>MUSTIQUE/Mustique</b><br>UNION ISLAND/Union Island                                                                                                                                                                                                              | RNS<br>RS                        | TVSM<br>TVSU                                         |                                                                                                                                                                                                  |                                                      |                                                                                     |    |   |   |                                      |                                                                                              |                                                                            |                    |                            |
| <b>SURINAME</b><br>NEW NICKERIE/Maj. Fernandes<br>PARAMARIBO/Zorg en Hoop<br>ZANDERY/Johan Adolf Pengel Intl                                                                                                                                                       | AS<br>RG<br>RS                   | SMNI<br>SMZO<br>SMJP                                 | ZANDERY/Johan Adolf Pengel Intl<br>ZANDERY/Johan Adolf Pengel Intl<br>ZANDERY/Johan Adolf Pengel Intl                                                                                            | SMJP<br>SMJP<br>SMJP                                 |                                                                                     | X  |   |   |                                      | E,G,K,L,M,S,T                                                                                |                                                                            |                    | X                          |
| <b>TRINIDAD AND TOBAGO</b><br>PORT OF SPAIN/Piarco Intl,<br>Trinidad I.<br>SCARBOROUGH/Crown Point,<br>Tobago I.                                                                                                                                                   | RS<br>RS                         | TTPP<br>TTCP                                         | PORT OF SPAIN/Piarco Intl<br>PORT OF SPAIN/Piarco Intl                                                                                                                                           | TTPP<br>TTPP                                         | X                                                                                   | X  |   |   |                                      | C,E,K,L,M,S,T<br>T                                                                           |                                                                            |                    | X<br>X                     |
| <b>TURKS AND CAICOS ISLANDS (United Kingdom)</b><br>GRAND TURK/Grand Turk Intl                                                                                                                                                                                     | RS                               | MBGT                                                 | NASSAU, Nassau Intl, New Providence I.                                                                                                                                                           | MYNN                                                 | X                                                                                   |    |   |   |                                      | M                                                                                            |                                                                            |                    | X                          |
| PROVIDENCIALES/Providenciales Intl                                                                                                                                                                                                                                 | RS                               | MBPV                                                 | NASSAU, Nassau Intl, New Providence I.                                                                                                                                                           | MYNN                                                 |                                                                                     |    |   |   |                                      | M                                                                                            |                                                                            |                    | X                          |
| SOUTH CAICOS/South Caicos Intl                                                                                                                                                                                                                                     | RS                               | MBSC                                                 | NASSAU, Nassau Intl, New Providence I.                                                                                                                                                           | MYNN                                                 |                                                                                     |    |   |   |                                      | M                                                                                            |                                                                            |                    | X                          |
| <b>URUGUAY</b><br>COLONIA/International de Colonia<br>MALDONADO/Carlos A. Curbelo<br>Laguna del Sauce<br>MONTEVIDEO/Aeropuerto Angel S. Adami Intl<br>MONTEVIDEO/Carrasco Intl Gral. Cesáreo L. Berisso<br>RIVERA/Cerro Chapeu Intl<br>SALTO/Nueva Hesperides Intl | RG<br>RS<br>RG<br>RS<br>RS<br>RG | SUCA<br>SULS<br>SUAA<br>SUMU<br>SUMU<br>SURV<br>SUSO | MONTEVIDEO/Carrasco Intl<br>MONTEVIDEO/Carrasco Intl<br>MONTEVIDEO/Carrasco Intl<br>MONTEVIDEO/Carrasco Intl<br>MONTEVIDEO/Carrasco Intl<br>MONTEVIDEO/Carrasco Intl<br>MONTEVIDEO/Carrasco Intl | SUMU<br>SUMU<br>SUMU<br>SUMU<br>SUMU<br>SUMU<br>SUMU |                                                                                     | X  |   |   |                                      | S<br>S<br>S<br>S<br>S<br>S                                                                   | X                                                                          |                    | X<br>X<br>X<br>X<br>X<br>X |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio                                                                                                                                                                                                                                        |                                                 |                                                              | Responsible MET Office<br>French text<br>Oficina MET responsable                                                                                                                                                                                                                                                 |                                                              | Areas of coverage<br>of charts<br>French text<br>Zonas de cobertura<br>de los mapas |    |   |   |                                 | AFTN<br>routing areas<br>of destination<br>French text<br>Areas de<br>encaminamiento<br>AFTN | Forecasts to be<br>provided<br>French text<br>Pronósticos a<br>suministrar |                    |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|----|---|---|---------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------|---------------------|
| Name<br>French text<br>Nombre                                                                                                                                                                                                                                                                                                        | Use<br>Uso                                      | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI                      | Name<br>French Text<br>Nombre                                                                                                                                                                                                                                                                                    | ICAO<br>loc. ind.<br>Ind. lugar<br>OACI                      | A                                                                                   | B1 | F | H | O<br>T<br>H<br>R<br>E<br>A<br>R |                                                                                              | t<br>r<br>e<br>n<br>d                                                      | t<br>a<br>f<br>18h | t<br>a<br>f<br>24h  |
| 1                                                                                                                                                                                                                                                                                                                                    | 2                                               | 3                                                            | 4                                                                                                                                                                                                                                                                                                                | 5                                                            | 6                                                                                   |    |   |   |                                 | 7                                                                                            | 8                                                                          | 9                  | 10                  |
| <b>VENEZUELA</b><br>BARCELONA/Gral. José Antonio<br>Anzóategui Intl<br>CARACAS/Simón Bolívar Intl,<br>Maiquetia<br>MARACAIBO/La Chinita Intl<br><br>MARGARITA/Intl Del Caribe, Gral.<br>Santiago Mariño<br>PARAGUANA/Joséfa Camejo Intl<br><br>SAN ANTONIO DEL TACHIRA/San<br>Antonio del Táchira Intl<br>VALENCIA/Zim Valencia Intl | RNS<br><br>RS<br>RS<br><br>RS<br>RS<br>RS<br>RS | SVBC<br><br>SVMI<br>SVMC<br><br>SVMG<br>SVJC<br>SVSA<br>SVVA | CARACAS/Simón Bolívar Intl,<br>Maiquetia<br>CARACAS/Simón Bolívar Intl,<br>Maiquetia<br>CARACAS/Simón Bolívar Intl,<br>Maiquetia<br>CARACAS/Simón Bolívar Intl,<br>Maiquetia<br>CARACAS/Simón Bolívar Intl,<br>Maiquetia<br>CARACAS/Simón Bolívar Intl,<br>Maiquetia<br>CARACAS/Simón Bolívar Intl,<br>Maiquetia | SVMI<br><br>SVMI<br>SVMI<br><br>SVMI<br>SVMI<br>SVMI<br>SVMI | X                                                                                   | X  |   |   |                                 | E<br><br>C,E,G,K,L,M,S,T<br><br>K,S<br><br>C,E                                               |                                                                            |                    | X<br><br>X<br><br>X |
| <b>VIRGIN ISLANDS<br/>(United Kingdom)</b><br>ROADTOWN/Beef Island<br>VIRGIN GORDA I./Virgin Gorda                                                                                                                                                                                                                                   | RS<br>RS                                        | TUPJ<br>TUPW                                                 | SAN JUAN/Luis Munôz Marin Intl<br>SAN JUAN/Luis Munôz Marin Intl                                                                                                                                                                                                                                                 | TJSJ<br>TJSJ                                                 |                                                                                     | X  |   |   |                                 | T<br>T                                                                                       |                                                                            |                    | X<br>X              |
| <b>VIRGIN ISLANDS<br/>(United States)</b><br>CHRISTIANSTED/ Henry E.<br>Rohlsen, St. Croix<br>SAINT THOMAS/Cyril E. King                                                                                                                                                                                                             | RS<br>RS                                        | TISX<br>TIST                                                 | SAN JUAN/Luis Muñoz Marin Intl<br>SAN JUAN/Luis Muñoz Marin Intl                                                                                                                                                                                                                                                 | TJSJ<br>TJSJ                                                 |                                                                                     | X  |   |   |                                 | K,T<br>T                                                                                     |                                                                            |                    | X<br>X              |

CHART SHOWING THE AFTN ROUTING AREAS IDENTIFIED BY THE LETTERS IN COLUMN 7 OF TABLE MET-1A  
 CARTE DES ZONES D'ACHEMINEMENT AFTN CORRESPONDANT AUX LETTRES DE LA COLONNE 7 DU TABLEAU MET-1A  
 CARTA CON LAS ÁREAS DE ENCAMINAMIENTO AFTN CORRESPONDIENTES A LAS LETRAS DE LA COLUMNA 7 DE LA TABLA MET-1A



CARSAM FASID

CHART MET 1

## Table MET 1B — Tableau MET 1B — Tabla MET 1B

### METEOROLOGICAL WATCH OFFICES FRENCH TEXT OFICINAS DE VIGILANCIA METEOROLÓGICA

#### EXPLANATION OF THE TABLE

##### Column

- 1 Location of the meteorological watch office (MWO).
- 2 ICAO location indicator, assigned to the MWO.
- 3 Name of the FIR, UIR and/or Search and Rescue Region (SRR) served by the MWO.
- 4 ICAO location indicator assigned to the ATS unit serving the FIR, UIR and/or SRR.
- 5 Remarks

*Note. — Unless otherwise stated in Column 5, the MWO listed in Column 1 is the designated collecting centre for the air-reports received within the corresponding FIR/UIR listed in Column 3.*

#### EXPLICATION DU TABLEAU

#### EXPLICACIÓN DE LA TABLA

##### Columna

- 1 Lugar de la oficina de vigilancia meteorológica (MWO).
- 2 Indicador de lugar de la OACI asignado a la MWO.
- 3 Nombre de las FIR, UIR y/o Región de búsqueda y salvamento (SRR) a las que presta servicio la MWO.
- 4 Nombre del indicador de lugar asignado a la dependencia ATS que presta servicio a las FIR, UIR y/o SRR.
- 5 Observaciones.

*Nota.— Salvo indicación distinta en la Columna 5, la MWO que figura en la Columna 1 es el centro colector designado para las aeronotificaciones recibidas en las FIR/UIR correspondientes reseñadas en la*

*Columna 3.*

| MWO Location<br>French<br>Lugar de la MWO            | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. Lugar<br>OACI | Area served/French text/Zona atendida                |                                                           | Remarks<br>Remarques<br>Observaciones                                                                                                                                |
|------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                      |                                                           | Name<br>French<br>Nombre                             | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. lugar<br>OACI |                                                                                                                                                                      |
| 1                                                    | 2                                                         | 3                                                    | 4                                                         | 5                                                                                                                                                                    |
| <b>ARGENTINA</b>                                     |                                                           |                                                      |                                                           |                                                                                                                                                                      |
| BUENOS AIRES/<br>Aeroparque, Jorge Newbery           | SABE                                                      | Ezeiza FIR/SRR                                       | SAEF                                                      |                                                                                                                                                                      |
| BUENOS AIRES/Ezeiza Ministro Pistarini               | SAEZ                                                      | Ezeiza UIR                                           | SAEU                                                      |                                                                                                                                                                      |
| COMODORO RIVADAVIA/General<br>Mosconi                | SAVC                                                      | Comodoro Rivadavia FIR/SRR<br>Comodoro Rivadavia UIR | SAVF<br>SAVU                                              |                                                                                                                                                                      |
| CORDOBA/Ing. Aer. A.L. Taravela                      | SACO                                                      | Córdoba FIR/SRR<br>Córdoba UIR                       | SACF<br>SACU                                              |                                                                                                                                                                      |
| MENDOZA/EI Plumerillo                                | SAME                                                      | Mendoza FIR/SRR<br>Mendoza UIR                       | SAMF<br>SAMV                                              |                                                                                                                                                                      |
| RESISTENCIA/<br>Resistencia                          | SARE                                                      | Resistencia FIR/SRR<br>Resistencia UIR               | SARR<br>SAEU                                              |                                                                                                                                                                      |
| <b>BOLIVIA</b>                                       |                                                           |                                                      |                                                           |                                                                                                                                                                      |
| LA PAZ/EI Alto Intl                                  | SLLP                                                      | La Paz FIR/SRR                                       | SLLP                                                      |                                                                                                                                                                      |
| <b>BRAZIL</b>                                        |                                                           |                                                      |                                                           |                                                                                                                                                                      |
| BELEM/Val de Caes                                    | SBBE                                                      | Belem FIR/SRR                                        | SBBL                                                      |                                                                                                                                                                      |
| BRASILIA/Brasília Intl                               | SBBR                                                      | Brasília FIR/SRR                                     | SBBS                                                      | Brasília FIR/SRR also served by MWO Rio de Janeiro and MWO Sao Paulo/<br>French text/FIR/SRR Brasília también atendida por la MWO Rio de Janeiro y la MWO Sao Paulo. |
| CURITIBA/Afonso Pena                                 | SBCT                                                      | Curitiba FIR/UTA/SRR                                 | SBCW                                                      |                                                                                                                                                                      |
| MANAUS/Eduardo Gomes                                 | SBEG                                                      | Manaus FIR/UIR/SRR<br><br>Porto Velho FIR            | SBMU<br><br>SBPH                                          |                                                                                                                                                                      |
| RECIFE/Guararapes                                    | SBRF                                                      | Recife FIR/SRR                                       | SBRE                                                      |                                                                                                                                                                      |
| RIO DE JANEIRO/<br>Galeao, Antonio Carlos Jobim Intl | SBGL                                                      | Brasília FIR/SRR                                     | SBBS                                                      | Brasília FIR/SRR also served by MWO Brasília and MWO Sao Paulo/<br>French text/FIR/SRR Brasília también atendida por la MWO Brasília y la MWO Sao Paulo.             |
| SAO PAULO/Guarulhos Intl                             | SBGR                                                      | Brasília FIR/SRR                                     | SBBS                                                      | Brasília FIR/SRR also served by MWO Brasília and MWO Rio de Janeiro/<br>French text/FIR/SRR Brasília también atendida por la MWO Brasília y la MWO Rio de Janeiro.   |

| MWO Location<br>French<br>Lugar de la MWO | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. Lugar<br>OACI | Area served/French text/Zona atendida                                                            |                                                           | Remarks<br>Remarques<br>Observaciones                                                                    |
|-------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|                                           |                                                           | Name<br>French<br>Nombre                                                                         | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. lugar<br>OACI |                                                                                                          |
| 1                                         | 2                                                         | 3                                                                                                | 4                                                         | 5                                                                                                        |
| <b>CHILE</b>                              |                                                           |                                                                                                  |                                                           |                                                                                                          |
| ANTOFAGASTA/Cerro Moreno                  | SCFA                                                      | Antofagasta FIR/SRR                                                                              | SCFZ                                                      |                                                                                                          |
| PUERTO MONTT/EI Tepual                    | SCTE                                                      | Puerto Montt FIR/SRR                                                                             | SCTZ                                                      |                                                                                                          |
| PUNTA ARENAS/Pdte. C. Ibañez del Campo    | SCCI                                                      | Punta Arenas FIR/SRR                                                                             | SCCZ                                                      |                                                                                                          |
| SANTIAGO/Arturo Merino Benitez            | SCEL                                                      | Santiago FIR/SRR                                                                                 | SCEZ                                                      |                                                                                                          |
| <b>COLOMBIA</b>                           |                                                           |                                                                                                  |                                                           |                                                                                                          |
| SANTA FÉ DE BOGOTÁ/Eldorado               | SKBO                                                      | Santa Fé de Bogotá FIR/UIR/SRR<br>Barranquilla FIR below/por debajo de FL200<br>(cf. Bogotá UIR) | SKED<br>SKEC                                              |                                                                                                          |
| <b>CUBA</b>                               |                                                           |                                                                                                  |                                                           |                                                                                                          |
| HABANA/José Martí Intl                    | MUHA                                                      | Habana FIR/SRR                                                                                   | MUFH                                                      |                                                                                                          |
| <b>DOMINICAN REPUBLIC</b>                 |                                                           |                                                                                                  |                                                           |                                                                                                          |
| SANTO DOMINGO/De Las Américas Intl        | MDSB                                                      | Santo Domingo FIR/SRR                                                                            | MDCS                                                      |                                                                                                          |
| <b>ECUADOR</b>                            |                                                           |                                                                                                  |                                                           |                                                                                                          |
| GUAYAQUIL/Simón Bolívar                   | SEGU                                                      | Guayaquil FIR/SRR                                                                                | SEGU                                                      |                                                                                                          |
| <b>FRENCH GUIANA (France)</b>             |                                                           |                                                                                                  |                                                           |                                                                                                          |
| CAYENNE/Rochambeau                        | SOCA                                                      | Rochambeau FIR<br>Cayenne SRR                                                                    | SOOO                                                      |                                                                                                          |
| <b>GUYANA</b>                             |                                                           |                                                                                                  |                                                           |                                                                                                          |
| TIMERI/Cheddi Jagan Intl                  | SYCJ                                                      | Georgetown FIR/SRR                                                                               | SYGC                                                      |                                                                                                          |
| <b>HAITI</b>                              |                                                           |                                                                                                  |                                                           |                                                                                                          |
| PORT-AU-PRINCE/Port-au-Prince Intl        | MTPP                                                      | Port-au-Prince FIR/SRR                                                                           | MTEG                                                      |                                                                                                          |
| <b>HONDURAS</b>                           |                                                           |                                                                                                  |                                                           |                                                                                                          |
| TEGUCIGALPA/Toncontin Intl                | MHTG                                                      | Central American FIR/SRR<br>FIR/SRR Centroamericana                                              | MHTG                                                      | Provides ATC service at FL200 and above/French text/Suministra servicio ATC en el y por encima del FL200 |
| <b>JAMAICA</b>                            |                                                           |                                                                                                  |                                                           |                                                                                                          |
| KINGSTON/Norman al Manley Intl            | MKJP                                                      | Kingston FIR/SRR                                                                                 | MKJK                                                      |                                                                                                          |

| MWO Location<br>French<br>Lugar de la MWO                                | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. Lugar<br>OACI | Area served/French text/Zona atendida                                          |                                                           | Remarks<br>Remarques<br>Observaciones                                                                                                                                                                                           |
|--------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                          |                                                           | Name<br>French<br>Nombre                                                       | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. lugar<br>OACI |                                                                                                                                                                                                                                 |
| 1                                                                        | 2                                                         | 3                                                                              | 4                                                         | 5                                                                                                                                                                                                                               |
| <b>MEXICO</b><br>MEXICO/Lic. Benito Juárez Intl                          | MMMX                                                      | Mazatlán Oceanic FIR/UIR                                                       | MMZT                                                      | Provides ATC service at FL200 and above/French text/Suministra servicio ATC en el y por encima del FL200                                                                                                                        |
|                                                                          |                                                           | México FIR/UIR/SRR                                                             | MMEX                                                      | Implemented in part to provide FIS on direct routes from Mexico to the west coast of South America/French text/Parcialmente implementada para suministrar FIS en las rutas directas de México para la costa oeste de Suramérica |
| <b>NETHERLANDS ANTILLES (Netherlands)</b><br>WILLEMSTAD/Hato, Curaçao I. | TNCC                                                      | Curaçao FIR/SRR                                                                | TNCF                                                      |                                                                                                                                                                                                                                 |
| <b>PANAMA</b><br>PANAMA/Tocumen Intl                                     | MPTO                                                      | Panamá FIR/SRR                                                                 | MPZL                                                      |                                                                                                                                                                                                                                 |
| <b>PARAGUAY</b><br>ASUNCION/Silvio Pettirossi                            | SGAS                                                      | Asunción FIR/UIR/SRR                                                           | MPZL                                                      |                                                                                                                                                                                                                                 |
| <b>PERU</b><br>LIMA-CALLAO/Jorge Chávez Intl                             | SPIM                                                      | Lima FIR/UIR/SRR                                                               | SPIM                                                      |                                                                                                                                                                                                                                 |
| <b>SURINAME</b><br>ZANDERY/Johan Adolf Pengel Intl                       | SMJP                                                      | Paramaribo FIR/UIR                                                             | SMPM                                                      |                                                                                                                                                                                                                                 |
| <b>TRINIDAD AND TOBAGO</b><br>PORT OF SPAIN/Piarco Intl, Trinidad I.     | TTPP                                                      | Piarco FIR/SRR                                                                 | TTZP                                                      |                                                                                                                                                                                                                                 |
| <b>UNITED STATES</b><br>MIAMI/Tropical Prediction Center                 | KNHC                                                      | Houston Oceanic FIR<br>Miami Oceanic FIR/SRR<br>Nassau FIR<br>San Juan FIR/SRR | KZHU<br>KZMA<br>MYNA<br>TJZS                              |                                                                                                                                                                                                                                 |
| <b>URUGUAY</b><br>MONTEVIDEO/Carrasco Intl Gral. Cesáreo L. Berisso      | SUMU                                                      | Montevideo FIR/SRR                                                             | SUEO                                                      |                                                                                                                                                                                                                                 |

| MWO Location<br>French<br>Lugar de la MWO                 | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. Lugar<br>OACI | Area served/French text/Zona atendida |                                                           | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------|-----------------------------------------------------------|---------------------------------------|
|                                                           |                                                           | Name<br>French<br>Nombre              | ICAO<br>loc. Ind.<br>French<br>text<br>Ind. lugar<br>OACI |                                       |
| 1                                                         | 2                                                         | 3                                     | 4                                                         | 5                                     |
| <b>VENEZUELA</b><br>CARACAS/Simon Bolivar Intl, Maiquetia | SVMI                                                      | Maiquetia FIR/UIR/SRR                 | SVZM                                                      |                                       |

## Table MET 2 — Tableau MET 2 — Tabla MET 2

### EXCHANGE OF OPERATIONAL METEOROLOGICAL INFORMATION FRENCH TEXT INTERCAMBIO DE INFORMACION METEOROLÓGICA OPERACIONAL

#### EXPLANATION OF THE TABLE

##### *Regular Exchanges*

(\$ 5 flights per week)

F = METAR/SPECI + TAF

S = METAR/SPECI

T = TAF

##### *Non-regular exchanges*

(< 5 flights per week)

f = METAR/SPECI + TAF

s = METAR/SPECI

t = TAF

#### EXPLICACIÓN DE LA TABLA

##### *Intercambios regulares*

(\$ 5 vuelos por semana)

F = METAR/SPECI + TAF

S = METAR/SPECI

T = TAF

##### *Intercambios no regulares*

(< 5 vuelos por semana)

f = METAR/SPECI + TAF

s = METAR/SPECI

t = TAF

[illegible]



















| From/De                 | ICAO<br>Loc. Ind.<br>French<br>text<br>Ind. lugar<br>OACI | TO BE AVAILABLE IN/FRENCH TEXT/ESTARÁN DISPONIBLES EN |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
|-------------------------|-----------------------------------------------------------|-------------------------------------------------------|---------------------|-----------|---------------------|---------|----------|--------|---------|--------|-----------------------------|-------|----------|------------|------|----------|--------------------|---------|-------------|--------------------------|------------------------|---------|-----------|--------|-------|----------|---------|--------|-----------------------------|------------------------------------|-----------|--------|----------|------|-----------------------------|-----------------------|-------------|----------------------------------|----------|---------------------|---------------------------------------|---------|-----------|-----------------------------|----------------------------|-----------------------------------------|--|---|---|---|---|---|---|--|--|---|---|---|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|
|                         |                                                           | Anguilla (United Kingdom)                             | Antigua and Barbuda | Argentina | Aruba (Netherlands) | Bahamas | Barbados | Belize | Bolivia | Brazil | Cayman Is. (United Kingdom) | Chile | Colombia | Costa Rica | Cuba | Dominica | Dominican Republic | Ecuador | El Salvador | French Antilles (France) | French Guiana (France) | Grenada | Guatemala | Guyana | Haiti | Honduras | Jamaica | Mexico | Montserrat (United Kingdom) | Netherlands Antilles (Netherlands) | Nicaragua | Panama | Paraguay | Peru | Puerto Rico (United States) | Saint Kitts and Nevis | Saint Lucia | Saint Vincent and the Grenadines | Suriname | Trinidad and Tobago | Turks and Caicos Is. (United Kingdom) | Uruguay | Venezuela | Virgin Is. (United Kingdom) | Virgin Is. (United States) | Brasilia/Washington<br>OPMET Data Banks |  |   |   |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Bale-Mulhouse           | LFSB                                                      |                                                       |                     |           |                     |         | t        |        |         | T      |                             |       |          |            |      |          |                    |         |             | t                        |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  | T |   |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Bordeaux                | LFBD                                                      |                                                       |                     | t         |                     |         | t        |        |         | T      |                             |       |          |            |      |          |                    |         |             | T                        | T                      |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         | t         |                             |                            |                                         |  | T |   |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Lyon Satolas            | LFLL                                                      |                                                       |                     |           |                     |         |          |        |         | T      |                             |       |          |            |      |          |                    |         |             | T                        | T                      |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         | t         |                             |                            |                                         |  | T |   |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Marseille               | LFML                                                      |                                                       |                     |           |                     |         |          |        |         | T      |                             |       |          |            |      |          |                    |         |             | T                        | T                      |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           | t                           |                            |                                         |  |   | T |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Montpellier             | LFMT                                                      |                                                       |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             | T                        |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   | T |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Nice                    | LFMN                                                      |                                                       |                     | t         |                     |         |          |        |         | T      |                             |       |          |            | t    |          |                    |         |             | T                        |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             | T                          |                                         |  |   |   | T |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Tarbes                  | LFBT                                                      |                                                       |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   | T |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Paris/Charles de Gaulle | LFPG                                                      |                                                       | t                   |           |                     | t       | t        |        |         | T      |                             |       | t        |            | t    |          | t                  |         |             | T                        | T                      |         |           |        |       |          |         | t      | t                           |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   | T |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Paris/Orly              | LFPO                                                      |                                                       | t                   | t         | t                   | t       | t        |        |         | T      |                             |       | T        |            | t    |          | t                  |         |             | T                        | T                      |         |           |        |       |          |         | t      | t                           |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   | T |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Toulouse                | LFBO                                                      |                                                       |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          | T                      |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   | T |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| GERMANY                 |                                                           |                                                       |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Berlin                  | ETBS                                                      |                                                       |                     | t         |                     |         |          |        |         |        |                             |       |          |            | t    |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   | T |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Dresden                 | ETDN                                                      |                                                       |                     |           |                     |         |          |        |         |        |                             |       |          |            | t    |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   |   |  |  |   | T |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Dusseldorf              | EDDL                                                      |                                                       |                     |           |                     |         |          |        |         | T      |                             |       |          |            | t    |          | t                  |         |             |                          |                        |         |           |        |       |          |         | t      |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   |   |  |  | T |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Frankfurt               | EDDF                                                      |                                                       |                     | T         |                     |         | t        |        |         | T      |                             |       | t        |            | t    |          | t                  |         |             |                          |                        |         |           |        |       |          |         | t      |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   |   |  |  |   |   | T |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Hamburg                 | EDDH                                                      |                                                       |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   |   |  |  |   |   |   |  |  | T |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| Hannover                | EDVV                                                      |                                                       |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                                         |  |   |   |   |   |   |   |  |  |   |   |   |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |







| From/De               | TO BE AVAILABLE IN/FRENCH TEXT/ESTARÁN DISPONIBLES EN     |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   |   |   |
|-----------------------|-----------------------------------------------------------|---------------------------|---------------------|-----------|---------------------|---------|----------|--------|---------|--------|-----------------------------|-------|----------|------------|------|----------|--------------------|---------|-------------|--------------------------|------------------------|---------|-----------|--------|-------|----------|---------|--------|-----------------------------|------------------------------------|-----------|--------|----------|------|-----------------------------|-----------------------|-------------|-----------------------------------|----------|---------------------|---------------------------------------|---------|-----------|-----------------------------|----------------------------|-----------------------------------------|---|---|---|---|---|
|                       | ICAO<br>Loc. Ind.<br>French<br>text<br>Ind. lugar<br>OACI | Anguilla (United Kingdom) | Antigua and Barbuda | Argentina | Aruba (Netherlands) | Bahamas | Barbados | Belize | Bolivia | Brazil | Cayman Is. (United Kingdom) | Chile | Colombia | Costa Rica | Cuba | Dominica | Dominican Republic | Ecuador | El Salvador | French Antilles (France) | French Guiana (France) | Grenada | Guatemala | Guyana | Haiti | Honduras | Jamaica | Mexico | Montserrat (United Kingdom) | Netherlands Antilles (Netherlands) | Nicaragua | Panama | Paraguay | Peru | Puerto Rico (United States) | Saint Kitts and Nevis | Saint Lucia | Saintt Vincent and the Grenadines | Suriname | Trinidad and Tobago | Turks and Caicos Is. (United Kingdom) | Uruguay | Venezuela | Virgin Is. (United Kingdom) | Virgin Is. (United States) | Brasilia/Washington<br>OPMET Data Banks |   |   |   |   |   |
| Memphis               | KHEM                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   |   |   |
| Miami                 | KMIA                                                      |                           | F                   | T         | F                   | F       | T        | F      | F       | T      | F                           | T     | F        | F          | F    |          | F                  | T       | F           | T                        | T                      |         | F         | t      | F     | F        | F       | F      |                             | F                                  | f         | F      | T        | T    |                             | t                     |             |                                   | T        | t                   | F                                     |         | F         |                             |                            |                                         | F |   |   |   |   |
| Milwaukee             | KMKE                                                      |                           |                     |           |                     | T       |          |        |         |        | f                           |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         | F |   |   |   |   |
| Newark                | KEWR                                                      |                           |                     |           |                     | T       | t        |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          | T    |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   | T |   |   |   |
| New Orleans           | KMSY                                                      |                           |                     |           | t                   | F       |          | F      |         |        | F                           |       | t        |            | F    |          |                    |         | t           |                          |                        |         | F         |        |       | f        | F       | F      |                             |                                    |           |        | t        |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             | T                          |                                         |   | F |   |   |   |
| New York/Kennedy Intl | KJFK                                                      |                           | T                   | T         | t                   | T       | T        |        |         | T      | t                           | t     | T        |            |      |          | T                  | T       |             | t                        | t                      | T       | T         | t      | F     |          | T       | T      |                             | T                                  |           |        | t        |      | t                           |                       | t           | t                                 |          | t                   | T                                     |         |           | T                           |                            |                                         |   | F |   |   |   |
| New York/La Guardia   | KLGA                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   |   |   |
| Niagara Falls         | KIAG                                                      |                           | t                   |           | t                   | T       | T        |        |         | T      | t                           |       |          |            | t    |          |                    |         |             |                          |                        |         |           |        |       |          | T       | T      |                             |                                    |           |        |          | t    |                             | t                     | t           |                                   |          | t                   |                                       |         |           |                             |                            |                                         |   | T |   |   |   |
| Oakland               | KOAK                                                      |                           |                     |           |                     |         |          |        |         | t      |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   | T |   |   |
| Ontario               | KONT                                                      |                           |                     |           |                     |         |          |        |         | T      |                             |       | t        |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         | F      |                             |                                    |           |        | t        |      | t                           |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   | F |   |   |
| Orlando               | KORL                                                      |                           |                     | T         |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      | T                           |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   | T |   |   |   |
| Philadelphia          | KPHL                                                      |                           | T                   | t         | t                   | T       | T        |        |         | T      | t                           |       | T        |            |      |          | T                  | t       |             | t                        | t                      | T       | T         |        | T     |          | T       | T      |                             | T                                  |           |        | t        |      | t                           |                       | t           |                                   |          |                     | T                                     |         |           | T                           |                            |                                         |   | T |   |   |   |
| Phoenix               | KPHX                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         | F      |                             |                                    |           |        |          |      |                             | t                     |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   | F |   |   |
| Pittsburgh            | KPIT                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          | T       |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   | T |   |   |
| Pueblo                | KPUB                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         | t      |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   | T |   |
| Raleigh               | KRDU                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   |   |   |
| Richmond              | KRIC                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   |   |   |
| San Antonio           | KSAT                                                      |                           |                     |           | t                   |         |          |        |         |        | F                           |       | t        |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         | F      |                             |                                    |           |        | F        |      | T                           |                       |             |                                   |          |                     |                                       |         |           | t                           |                            |                                         |   | F |   |   |   |
| San Diego             | KSAN                                                      |                           |                     |           |                     |         |          |        |         | T      |                             |       | T        |            |      |          |                    |         | t           |                          | t                      |         |           |        |       |          |         | F      |                             |                                    |           |        | t        |      | t                           |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   | F |   |   |
| San Francisco         | KSFO                                                      |                           | F                   | t         |                     |         |          |        |         | t      |                             | t     | T        |            |      |          |                    |         | t           | t                        |                        |         |           |        |       |          |         | F      |                             |                                    |           |        | t        |      | t                           |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   | F |   |
| Saint Louis           | KSTL                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   |   |   |
| San Jose              | KSJC                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   |   |   |
| Seattle-Tacoma        | KSEA                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         | t      |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   | T |   |
| Stockton              | KSCK                                                      |                           |                     |           |                     |         |          |        |         | t      |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   | T |   |
| Tampa                 | KTPA                                                      |                           | F                   | T         | F                   | F       | T        | F      | t       | T      | F                           | t     | F        | F          | F    |          | F                  | T       | F           | T                        |                        |         | F         | t      | F     |          | F       | F      |                             | F                                  | f         | F      | T        | T    | T                           | T                     |             |                                   |          |                     |                                       |         |           |                             | F                          |                                         |   |   | F |   |   |
| Tucson                | KTUS                                                      |                           |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         | F      |                             |                                    |           |        |          |      |                             | t                     |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |   |   |   | F |   |
| Washington            | KIAD                                                      |                           | T                   | t         | t                   | F       | T        |        |         | T      | t                           |       | t        |            |      |          | T                  |         |             | t                        | t                      | T       | T         |        | T     |          | T       | T      |                             | T                                  |           |        | t        |      | t                           |                       | t           |                                   |          |                     |                                       |         |           |                             |                            |                                         | T |   |   |   | T |
| West Palm Beach       | KPBI                                                      |                           | F                   | T         | F                   | F       | T        | F      | t       | T      | F                           | t     | F        | F          | F    |          | F                  | T       | F           | t                        |                        |         | F         | t      | F     | F        | F       | F      |                             | F                                  | f         | t      | T        | T    |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         | F |   |   |   | F |



[illegible]





| From/De | TO BE AVAILABLE IN/FRENCH TEXT/ESTARÁN DISPONIBLES EN     |                          |                     |           |                     |         |          |        |         |        |                             |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|         | ICAO<br>Loc. Ind.<br>French<br>text<br>Ind. lugar<br>OACI | Anguila (United Kingdom) | Antigua and Barbuda | Argentina | Aruba (Netherlands) | Bahamas | Barbados | Belize | Bolivia | Brazil | Cayman Is. (United Kingdom) | Chile | Colombia | Costa Rica | Cuba | Dominica | Dominican Republic | Ecuador | El Salvador | French Antilles (France) | French Guiana (France) | Grenada | Guatemala | Guyana | Haiti | Honduras | Jamaica | Mexico | Montserrat (United Kingdom) | Netherlands Antilles (Netherlands) | Nicaragua | Panama | Paraguay | Peru | Puerto Rico (United States) | Saint Kitts and Nevis | Saint Lucia | Saintt Vincent and the Grenadines | Suriname | Trinidad and Tobago | Turks and Caicos Is. (United Kingdom) | Uruguay | Venezuela | Virgin Is. (United Kingdom) | Virgin Is. (United States) | Brasilia/Washington<br>OPMET Data Banks |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Iquitos | SPQT                                                      |                          |                     |           |                     |         |          |        |         | f      | t                           |       | F        |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                   |          |                     |                                       |         |           |                             |                            |                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Table MET 2A — Tableau MET 2A — Tabla MET 2A****EXCHANGE OF SIGMET AND SPECIAL AIREP MESSAGES  
FRENCH TEXT  
INTERCAMBIO DE MENSAJES SIGMET Y AIREP ESPECIALES****EXPLANATION OF THE TABLE**

S = SIGMET, SIGMET with OUTLOOK (for volcanic ash and/or tropical cyclones) and special AIREP.

s = SIGMET and special AIREP.

s'= SIGMET with OUTLOOK (for volcanic ash and/or tropical cyclones)

*Note.— The first column refers to Meteorological Watch Offices (MWOs).*

**EXPLICATION DU TABLEAU****EXPLICACIÓN DE LA TABLA**

S = SIGMET, SIGMET con PROYECCIÓN (para cenizas volcánicas y/o ciclones tropicales) y AIREP especiales

s = AIREP especiales y SIGMET

s'= SIGMET con PROYECCIÓN (para cenizas volcánicas y/o ciclones tropicales)

*Nota.— La primera columna se refiere a las Oficinas de vigilancia meteorológica (MWO).*

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| From/De                               | Loc.<br>Ind.<br>French<br>text<br>Ind. lugar<br>OACI | TO BE AVAILABLE IN/FRENCH TEXT/ESTARÁN DISPONIBLES EN |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
|---------------------------------------|------------------------------------------------------|-------------------------------------------------------|---------------------|-----------|---------------------|---------|----------|--------|---------|--------|-----------------|-------|----------|------------|------|----------|--------------------|---------|-------------|--------------------------|------------------------|---------|-----------|--------|-------|----------|---------|--------|-----------------------------|------------------------------------|-----------|--------|----------|------|-----------------------------|-----------------------|-------------|----------------------------------|----------|---------------------|---------------------------------------|---------|-----------|-----------------------------|----------------------------|------------------|-----------------------------------------|----|---|
|                                       |                                                      | Anguilla (United Kingdom)                             | Antigua and Barbuda | Argentina | Aruba (Netherlands) | Bahamas | Barbados | Belize | Bolivia | Brazil | Cayman Is. (UK) | Chile | Colombia | Costa Rica | Cuba | Dominica | Dominican Republic | Ecuador | El Salvador | French Antilles (France) | French Guiana (France) | Grenada | Guatemala | Guyana | Haiti | Honduras | Jamaica | Mexico | Montserrat (United Kingdom) | Netherlands Antilles (Netherlands) | Nicaragua | Panama | Paraguay | Peru | Puerto Rico (United States) | Saint Kitts and Nevis | Saint Lucia | Saint Vincent and the Grenadines | Suriname | Trinidad and Tobago | Turks and Caicos Is. (United Kingdom) | Uruguay | Venezuela | Virgin Is. (United Kingdom) | Virgin Is. (United States) | Vienna Data Bank | Brasilia/Washington<br>OPMET Data Banks |    |   |
| HAITI                                 |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Port-au-Prince                        | MTPP                                                 |                                                       |                     |           |                     | S       |          |        |         | S'     |                 |       | S        |            | S    |          | S                  |         |             | S                        |                        |         |           |        |       | S        | S       | S      |                             | S                                  |           |        |          |      |                             | S                     |             |                                  |          |                     | S'                                    |         |           | S                           |                            |                  | S'                                      | S  |   |
| HONDURAS                              |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Tegucigalpa*                          | MHTG                                                 |                                                       |                     |           |                     |         |          |        |         | S      |                 |       | S        | S'         | S    |          | S                  | S'      | S'          |                          |                        |         | S'        |        | S     |          | S       | S'     |                             | S                                  | S'        | S      |          | S    | S                           |                       |             |                                  |          |                     |                                       |         | S         |                             |                            | S'               | S                                       |    |   |
| JAMAICA                               |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Kingston                              | MKJP                                                 |                                                       |                     |           | S'                  |         | S        |        |         |        |                 | S     | S        |            | S    |          | S'                 | S'      |             |                          | S                      |         |           | S'     | S     | S        |         | S      |                             | S                                  |           | S      |          | S    | S                           |                       |             |                                  |          | S                   |                                       |         | S         |                             |                            | S'               | S                                       |    |   |
| MEXICO                                |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Mexico                                | MMM                                                  |                                                       |                     |           | S'                  |         | S        | S'     |         | S      | S'              |       |          | S          |      | S        |                    | S       | S           |                          |                        |         |           |        | S     | S        | S       |        |                             | S'                                 |           | S      |          | S    | S                           |                       |             |                                  |          | S'                  |                                       |         |           |                             |                            | S'               | S                                       |    |   |
| NETHERLANDS ANTILLES<br>(Netherlands) |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Willemstad                            | TNCC                                                 |                                                       |                     |           | S'                  |         | S        | S'     |         |        | S               |       |          | S          |      | S        |                    | S       | S           |                          | S                      | S       |           |        | S     | S        | S       | S      | S                           |                                    |           |        | S        |      | S                           | S                     |             |                                  |          |                     | S                                     | S       |           |                             | S                          |                  |                                         | S' | S |
| PUERTO RICO<br>(United States)        |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| San Juan                              | TJSJ                                                 |                                                       |                     |           |                     |         |          |        |         | S      |                 |       | S        |            | S    |          | S                  |         |             | S                        |                        |         | S         | S      | S     | S        | S       |        | S                           |                                    | S         |        |          |      |                             |                       |             |                                  | S        | S                   |                                       |         | S         |                             |                            | S'               | S                                       |    |   |
| TRINIDAD AND TOBAGO                   |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Port of Spain                         | TTPP                                                 |                                                       |                     |           | S'                  |         | S'       |        |         | S      |                 |       | S'       |            | S'   |          | S                  |         |             | S                        | S                      |         |           | S      | S     |          | S       | S'     |                             | S                                  |           | S'     |          | S    | S                           |                       |             |                                  |          | S                   |                                       |         |           | S                           |                            |                  | S'                                      | S  |   |
| EUR                                   |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| FRANCE                                |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Toulouse                              | LFPW                                                 |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             | S                        |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  | S                                       |    |   |
| ITALY                                 |                                                      |                                                       |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |    |   |
| Milano                                | LIMM                                                 |                                                       |                     |           | S'                  |         |          |        |         |        |                 |       |          |            |      | S        |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           | S'                          |                            |                  |                                         | S  |   |

| TO BE AVAILABLE IN/FRENCH TEXT/ESTARÁN DISPONIBLES EN |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
|-------------------------------------------------------|------------------------------------------------------|---------------------------|---------------------|-----------|---------------------|---------|----------|--------|---------|--------|-----------------|-------|----------|------------|------|----------|--------------------|---------|-------------|--------------------------|------------------------|---------|-----------|--------|-------|----------|---------|--------|-----------------------------|------------------------------------|-----------|--------|----------|------|-----------------------------|-----------------------|-------------|----------------------------------|----------|---------------------|---------------------------------------|---------|-----------|-----------------------------|----------------------------|------------------|-----------------------------------------|---|---|---|
| From/De                                               | Loc.<br>Ind.<br>French<br>text<br>Ind. lugar<br>OACI | Anguilla (United Kingdom) | Antigua and Barbuda | Argentina | Aruba (Netherlands) | Bahamas | Barbados | Belize | Bolivia | Brazil | Cayman Is. (UK) | Chile | Colombia | Costa Rica | Cuba | Dominica | Dominican Republic | Ecuador | El Salvador | French Antilles (France) | French Guiana (France) | Grenada | Guatemala | Guyana | Haiti | Honduras | Jamaica | Mexico | Montserrat (United Kingdom) | Netherlands Antilles (Netherlands) | Nicaragua | Panama | Paraguay | Peru | Puerto Rico (United States) | Saint Kitts and Nevis | Saint Lucia | Saint Vincent and the Grenadines | Suriname | Trinidad and Tobago | Turks and Caicos Is. (United Kingdom) | Uruguay | Venezuela | Virgin Is. (United Kingdom) | Virgin Is. (United States) | Vienna Data Bank | Brasilia/Washington<br>OPMET Data Banks |   |   |   |
| Roma                                                  | LIIB                                                 |                           |                     |           |                     |         |          |        |         | S      |                 |       |          |            | S    |          | S                  |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         | S |   |   |
| PORTUGAL                                              |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| Lisboa                                                | LPPT                                                 |                           |                     | S         |                     |         |          |        |         | S      |                 |       | S        |            | S    |          | S                  |         |             | S                        | S                      |         |           | S      |       |          |         |        |                             | S                                  |           |        |          |      | S                           |                       |             | S                                |          |                     |                                       | S       |           |                             |                            |                  |                                         | S |   |   |
| UNITED KINGDOM                                        |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| London/Bracknell                                      | EGRR                                                 |                           |                     | S         | S                   |         | S        | S      |         | S      | S               |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          | S       | S      |                             | S                                  |           | S      |          |      | S                           |                       | S           |                                  | S        |                     |                                       |         | S         |                             |                            |                  |                                         |   | S |   |
| NAM                                                   |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| CANADA                                                |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| Toronto                                               | CWTO                                                 |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      | S        |                    |         |             |                          |                        |         | S         |        |       |          | S       |        |                             |                                    |           |        |          |      |                             |                       | S           |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         | S |   |   |
| UNITED STATES                                         |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| Kansas City                                           | KMKC                                                 |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         | S      |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   | S |   |
| Miami                                                 | KMIA                                                 | S                         | S                   | S         | S                   | S       | S        |        | S       | S      | S               | S     | S        |            | S    | S        | S                  | S       |             | S                        | S                      | S       |           | S      | S     | S        | S       | S      | S                           | S                                  | S         |        | S        | S    | S                           | S                     | S           | S                                | S        | S                   | S                                     | S       | S         | S                           | S                          |                  |                                         | S |   |   |
| SAM                                                   |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| ARGENTINA                                             |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| Buenos Aires                                          | SAEZ                                                 |                           |                     |           |                     |         |          |        | S       | S      |                 | S     | S        |            | S    |          | S                  | S       |             |                          |                        |         |           |        |       |          | S       | S      |                             | S                                  |           |        | S        | S    |                             |                       |             |                                  |          | S                   |                                       | S       |           |                             |                            | S                |                                         | S |   |   |
| Comodoro Rivadavia                                    | SAVC                                                 |                           |                     |           |                     |         |          |        |         |        |                 | S     |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     | S                                     |         |           |                             |                            | S                |                                         | S |   |   |
| Cordoba                                               | SACO                                                 |                           |                     |           |                     |         |          |        | S       | S      |                 | S     |          |            |      |          | S                  |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          | S    | S                           |                       |             |                                  |          |                     |                                       | S       |           |                             |                            |                  | S                                       |   | S |   |
| Mendoza                                               | SAME                                                 |                           |                     |           |                     |         |          |        |         | S      |                 | S     |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          | S    |                             |                       |             |                                  |          |                     |                                       | S       |           |                             |                            |                  | S                                       |   | S |   |
| Resistencia                                           | SARE                                                 |                           |                     |           |                     |         |          |        | S       | S      |                 | S     |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          | S    | S                           |                       |             |                                  |          |                     |                                       | S       |           |                             |                            |                  | S                                       |   |   |   |
| BOLIVIA                                               |                                                      |                           |                     |           |                     |         |          |        |         |        |                 |       |          |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        |          |      |                             |                       |             |                                  |          |                     |                                       |         |           |                             |                            |                  |                                         |   |   |   |
| La Paz                                                | SLLP                                                 |                           |                     | S         |                     |         |          |        |         | S      |                 | S     | S        |            |      |          |                    |         |             |                          |                        |         |           |        |       |          |         |        |                             |                                    |           |        | S        | S    | S                           |                       |             |                                  |          |                     |                                       |         |           | S                           |                            |                  |                                         | S |   | S |





## Table MET 3, Part I — Tableau MET 3, Partie I — Tabla MET 3, Parte I

### TROPICAL CYCLONE ADVISORY CENTRE FRENCH TEXT CENTRO DE AVISOS DE CICLONES TROPICALES

#### EXPLANATION OF THE TABLE

##### Column

- 1 Location of the tropical cyclone advisory centre (TCAC).
- 2 Area of responsibility for the preparation of advisory information on tropical cyclones by the TCAC in Column 1.
- 3 Period of operation of the TCAC.
- 4 MWO to which the advisory information on tropical cyclones should be sent.

*Note.— ICAO location indicators for MWOs are shown in Table MET 1B.*

#### EXPLICATION DU TABLEAU

#### EXPLICACIÓN DE LA TABLA

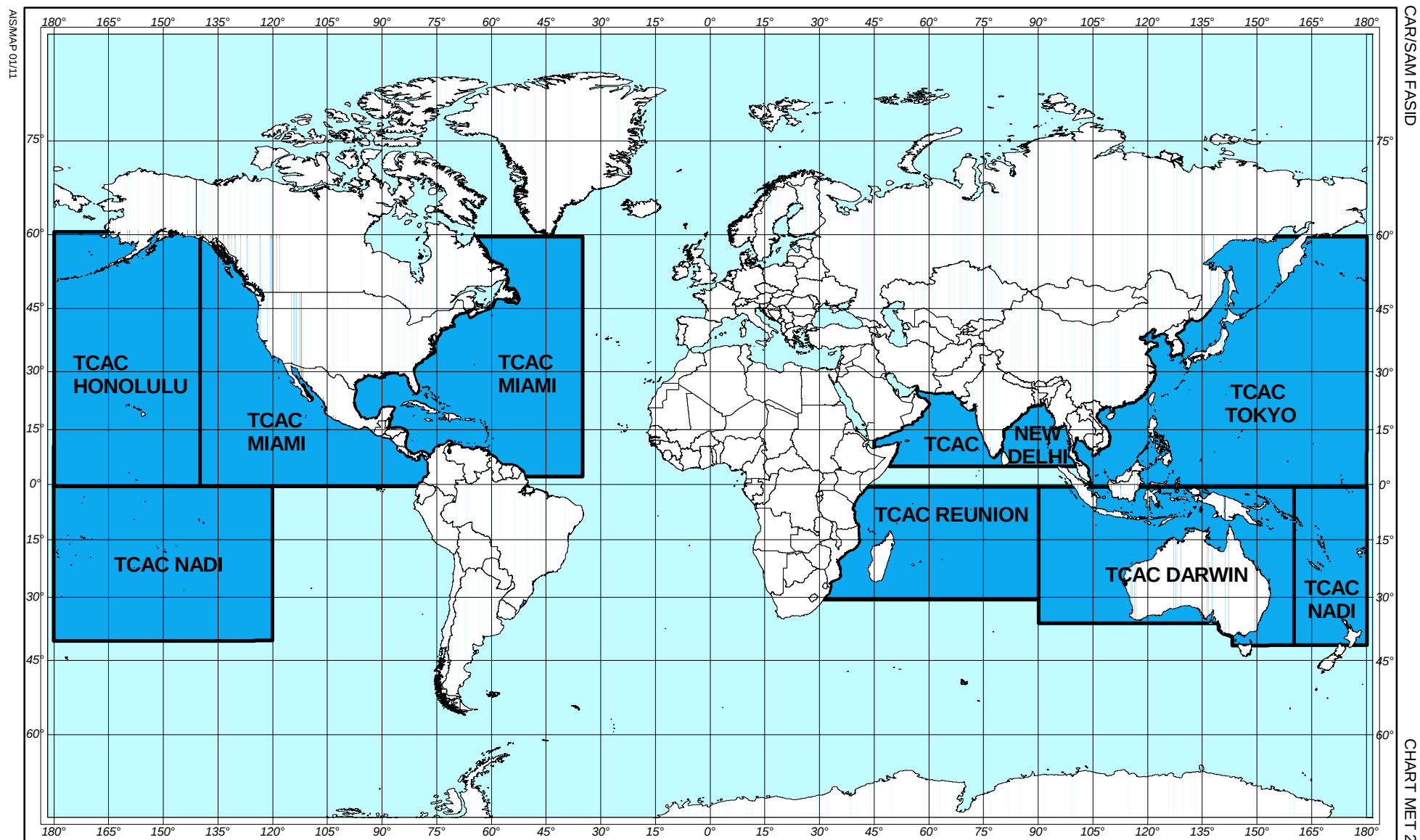
##### Columna

- 1 Lugar del centro de avisos de ciclones tropicales (TCAC).
- 2 Zona de responsabilidad para la preparación de la información de asesoramiento sobre ciclones tropicales por el TCAC en la Columna 1.
- 3 Periodo de operación del TCAC.
- 4 MWO a la cual se debe enviar la información de asesoramiento sobre ciclones tropicales

*Nota.— Los indicadores de lugar OACI de las MWO se presentan en la Tabla FASID MET 1B.*

| Tropical cyclone<br>advisory centre<br>French text<br>Centro de avisos de<br>ciclones tropicales | Area of responsibility<br>French text<br>Zona de responsabilidad                                                                                                                                                                        | Period of operation<br>French text<br>Período de operación | MWO to which advisory<br>information is to be sent<br>French text<br>MWO a la cual se debe enviar información<br>de asesoramiento                                                                               |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                | 2                                                                                                                                                                                                                                       | 3                                                          | 4                                                                                                                                                                                                               |
| <b>Miami</b><br>(United States)<br>(Estados Unidos)                                              | Tropical Atlantic,<br>Caribbean Sea,<br>Gulf of Mexico<br>Relevant parts of the Pacific East<br>of 180EE<br><br>Atlántico Tropical,<br>Mar del Caribe,<br>Golfo de México<br>Partes pertinentes<br>del Pacífico al este<br>de los 180EE | 1 June – 30 November<br>1 de junio – 30 noviembre          | Belem<br>Bogotá<br>Caracas<br>Cayenne<br>Georgetown<br>Habana<br>Kingston<br>Mexico<br>Panama<br>Port of Spain<br>Port-au-Prince<br>San Juan, Puerto Rico Santo Domingo<br>Tegucigalpa<br>Willemstad<br>Zandery |

CURRENT STATUS OF ICAO TROPICAL CYCLONE ADVISORY CENTRES (TCACs) – AREAS OF RESPONSIBILITY  
 SITUATION ACTUELLE DES CENTRES D'AVIS DE CYCLONES TROPICAUX (TCAC) OACI – ZONES DE RESPONSABILITÉ  
 SITUACIÓN ACTUAL DE LOS CENTROS DE AVISOS DE CICLONES TROPICALES, OACI (TCAC) – ZONAS DE RESPONSABILIDAD



## Table MET 3, Part II — Tableau MET 3 — Tabla MET 3, Parte II

### VOLCANIC ASH ADVISORY CENTRE FRENCH TEXT CENTRO DE AVISOS DE CENIZAS VOLCÁNICAS

#### EXPLANATION OF THE TABLE

##### Column

- 1 Location of the volcanic ash advisory centre (VAAC).
- 2 Area of responsibility for the preparation of advisory information on volcanic ash by the VAAC in Column 1.
- 3 MWOs to which the advisory information on volcanic ash should be sent.
- 4 ACC to which the advisory information on volcanic ash should be sent.
- 5 ICAO location indicator assigned to the ACC in Column 4.

*Note. — ICAO location indicators for MWOs are shown in Table MET 1B.*

#### EXPLICATION DU TABLEAU

#### EXPLICACIÓN DE LA TABLA

##### Columna

- 1 Lugar del centro de avisos de cenizas volcánicas (VAAC).
  - 2 Zona de responsabilidad para la preparación de la información de asesoramiento sobre cenizas volcánicas por el VAAC en la Columna 1.
  - 3 MWO a la cual la se debe enviar información de asesoramiento sobre cenizas volcánicas.
  - 4 ACC al cual la se debe enviar información de asesoramiento sobre cenizas volcánicas.
  - 5 Indicador de lugar OACI del ACC en la Columna 4.
-

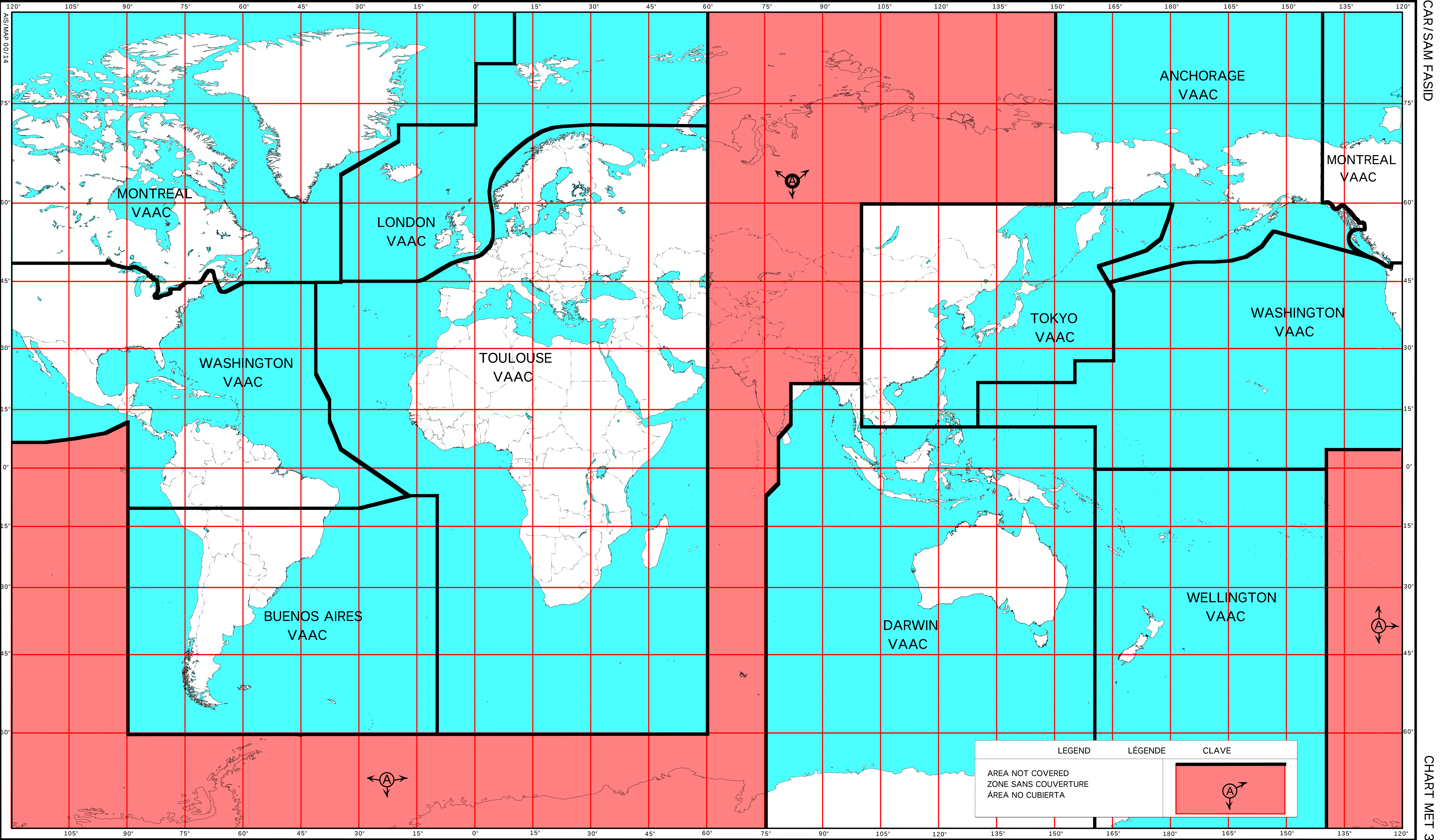
*Nota.— Los indicadores de lugar OACI de las MWO se presentan en la Tabla MET 1B.*

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| Volcanic ash<br>advisory centre<br>French<br>text<br>Centro de<br>aviso de cenizas<br>volcánicas | Area of<br>responsibility<br>French<br>text<br>Zona de<br>responsabilidad                                                                                               | MWO to which advisory<br>information is to be sent<br>French text<br>MWO a la cual se debe enviar<br>información de asesoramiento                                                                                                                                                                                                                        | ACC to which advisory information<br>is to be sent<br>French<br>text<br>ACC al cual se debe enviar información<br>de asesoramiento                                                                                                                                                                                                |                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                | 2                                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                                                                                        | Name<br>French text<br>Nombre                                                                                                                                                                                                                                                                                                     | ICAO loc. Ind.<br>French text<br>Ind. lugar OACI                                                                                                                                                             |
|                                                                                                  |                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                          | 4                                                                                                                                                                                                                                                                                                                                 | 5                                                                                                                                                                                                            |
| <b>Buenos Aires</b><br>(Argentina)                                                               | SAM Region: South of<br>10ES between 30E W y<br>90EW.<br><br>Región SAM; Al sur de<br>los 10ES entre 30EW y<br>90EW.                                                    | Antofagasta<br>Asunción<br>Brasilia<br>Buenos Aires (Aeroparque)<br>Buenos Aires (Ezeiza)<br>Comodoro Rivadavia<br>Cordoba<br>Curitiba<br>Florianopolis<br>La Paz<br>Lima-Callao<br>Porto Alegre<br>Manaus<br>Mendoza<br>Montevideo<br>Puerto Montt<br>Punta Arenas<br>Recife<br>Resistencia<br>Rio de Janeiro-Galeao<br>Santiago<br>Sao Paulo-Guarulhos | Antofagasta<br>Asunción<br>Brasilia<br>Buenos Aires (Ezeiza)<br>Comodoro Rivadavia<br>Cordoba<br>Curitiba<br>La Paz<br>Lima<br>Manaus<br>Mendoza<br>Montevideo<br>Puerto Montt<br>Punta Arenas<br>Recife<br>Resistencia<br>Santiago                                                                                               | SCFZ<br>SGFA<br>SBBS<br>SAEF<br>SAVF<br>SACF<br>SBCW<br>SLLF<br>SPIM<br>SBMU<br>SAMV<br>SUEO<br>SCTZ<br>SCCZ<br>SBRE<br>SARR<br>SCEZ                                                                         |
| <b>Washington</b><br>(United States/<br>Estados Unidos)                                          | CAR/SAM Regions:<br>North of 10ES.<br><br>Regiones CAR/SAM: Al<br>norte de los 10ES.<br><br>New York Oceanic*<br>Oakland Oceanic*<br>United States<br>Continental FIRs* | Belem<br>Bogotá<br>Caracas<br>Cayenne<br>Georgetown<br>Guayaquil<br>Habana<br>Kingston<br>Lima-Callao<br>Manaus<br>Mexico<br>Panama<br>Port of Spain<br>Port-au-Prince<br>Recife<br>San Juan, Puerto Rico<br>Santo Domingo<br>Tegucigalpa<br>Willemstad<br>Zandery                                                                                       | Belem<br>Barranquilla<br>Bogotá<br>Curaçao<br>Georgetown<br>Guayaquil<br>Habana<br>Kingston<br>Lima<br>Manaus<br>Maiquetía<br>Mazatlán<br>Mérida<br>México<br>Monterrey<br>Nassau<br>Panamá<br>Paramaribo<br>Piarco<br>Port-au-Prince<br>Porto Velho<br>Recife<br>Rochambeau<br>San Juan, Puerto Rico<br>Santo Domingo<br>Cenamer | SBBL<br>SKEC<br>SKED<br>TNCF<br>SYGC<br>SEGU<br>MUFH<br>MKJK<br>SPIM<br>SBMU<br>SVZM<br>MMZT<br>MMID<br>MMEX<br>MMTY<br>MYNA<br>MPZL<br>SMPM<br>TTPP<br>MTEG<br>SBPH<br>SBRE<br>SOOO<br>TJJS<br>MDSD<br>MHTG |

\* Requirement shown in NAM, NAT and PAC Regional Air Navigation Plans/Requisito mostrado en los planes regionales de navegación aérea NAM, NAT y PAC.

CURRENT STATUS OF ICAO VOLCANIC ASH ADVISORY CENTRES (VAAC) - AREAS OF RESPONSIBILITY  
SITUATION ACTUELLE DES CENTRES OACI D'AVIS DE CENDRES VOLCANIQUES (VAAC) - ZONES DE RESPONSABILITÉ  
SITUACIÓN ACTUAL DE LOS CENTROS DE AVISOS DE CENIZAS VOLCÁNICAS (VAAC) OACI - ZONAS DE RESPONSABILIDAD



**Table MET 4 — Tableau MET 4 — Tabla MET 4**

Table MET 4 is used to show the requirements for regional telecommunications schemes. No such schemes are applicable to the CAR/SAM regions.

French text

La tabla MET 4 se utiliza para indicar los requisitos correspondientes a los planes de telecomunicaciones regionales. Tales planes no se aplican a las regiones CAR/SAM.

---

**Table MET 5 — Tableau MET 5 — Tabla MET 5****REQUIREMENTS FOR WAFS PRODUCTS****FRENCH TEXT****REQUISITOS DE INFORMACIÓN ELABORADA POR EL WAFS**

## EXPLANATION OF THE TABLE

*Column*

- |   |                                                                                                                                       |
|---|---------------------------------------------------------------------------------------------------------------------------------------|
| 1 | WAFS products required by the CAR/SAM States, to be provided by WAFC Washington.                                                      |
| 2 | Area of coverage required for the upper-wind and temperature and SIGWX charts and other WAFS data, to be provided by WAFC Washington. |

## EXPLICATION DU TABLEAU

## EXPLICACIÓN DE LA TABLA

*Columna*

- |   |                                                                                                                                                                |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Información elaborada por el WAFS que necesitan los Estados CAR/SAM y que ha de proporcionar el WAFC de Washington.                                            |
| 2 | Zona de cobertura requerida para las cartas de vientos y temperaturas en altitud y SIGWX y otros datos del WAFS, que ha de proporcionar el WAFC de Washington. |
-

| Product required<br>Produit<br>Producto requerido                                               | Areas required<br>Zonas requeridas |
|-------------------------------------------------------------------------------------------------|------------------------------------|
| 1                                                                                               | 2                                  |
| W/T Chart/Mapa W/T > FL 390                                                                     | A, B1, E, F, G, H, I               |
| " " " " FL 390                                                                                  | A, B1, E, F, G, H, I               |
| " " " " FL 340                                                                                  | A, B1, E, F, G, H, I               |
| " " " " FL 300                                                                                  | A, B1, E, F, G, H, I               |
| " " " " FL 240                                                                                  | A, B1, E, F, G, H, I               |
| " " " " FL 180                                                                                  | A, B1, E, F, G, H, I               |
| " " " " FL 100                                                                                  | A, B1, E, F, G, H, I               |
| " " " " FL 50                                                                                   | A, B1, E, F, G, H, I               |
| SWM/SWH Chart (FL 100 - 450)/<br>Mapa SWM/SWH (FL 100 - 450)                                    | A, B1, E, F, G, H, I, J            |
| GRIB data/datos GRIB                                                                            | Global                             |
| SIGWX forecasts in abbreviated plain language/Pronósticos SIGWX en<br>lenguaje claro abreviado. | Yes/Sí                             |

*Note.— SWM charts are provided for limited geographical areas as determined by regional air navigation agreement. They are not currently provided by WAFC Washington/Los mapas SWM se proporcionan para zonas geográficas limitadas según lo determine un acuerdo regional de navegación aérea. Actualmente el WAFC Washington no los está proporcionando.*

## Table MET 6 — Tableau MET 6 — Tabla MET 6

### RESPONSIBILITIES OF THE WORLD AREA FORECAST CENTRES FRENCH TEXT RESPONSABILIDADES DE LOS CENTROS MUNDIALES DE PRONÓSTICOS DE ÁREA

#### EXPLANATION OF THE TABLE

##### *Column*

- |   |                                                                                                              |
|---|--------------------------------------------------------------------------------------------------------------|
| 1 | Name of the world area forecast centre (WAFC).                                                               |
| 2 | Area of responsibility for the preparation of significant weather (SIGWX) forecasts by the WAFC in Column 1. |
| 3 | Area of coverage of the SIGWX charts prepared or relayed by the WAFC in Column 1.                            |
| 4 | Area of coverage of the upper-wind and temperature charts prepared by the WAFC in Column 1.                  |
| 5 | Area of coverage of the GRIB data prepared by the WAFC in Column 1.                                          |

#### EXPLICATION DU TABLEAU

#### EXPLICACIÓN DE LA TABLA

##### *Columna*

- |   |                                                                                                                                |
|---|--------------------------------------------------------------------------------------------------------------------------------|
| 1 | Nombre del Centro mundial de pronósticos de área (WAFC).                                                                       |
| 2 | Zona de responsabilidad para la preparación de pronósticos del tiempo significativo (SIGWX) del WAFC indicado en la Columna 1. |
| 3 | Zona de cobertura de los mapas SIGWX preparados o retransmitidos por el WAFC indicado en la Columna 1.                         |
| 4 | Zona de cobertura de los mapas de vientos y temperaturas en altitud preparados por el WAFC indicado en la Columna 1.           |
| 5 | Zona de cobertura de los datos GRIB preparados por el WAFC indicado en la Columna 1.                                           |
-

| WAFC       | SIGWX                                                            |                                                                                    | Upper-wind and temperature<br>French text<br>Vientos y temperaturas en altitud |                         |
|------------|------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|
|            | Area of responsibility<br>French Text<br>Zona de responsabilidad | Areas of coverage of SIGWX<br>French Text<br>Zonas de cobertura de los SIGWX       | Areas of coverage of charts<br>French text<br>Zonas de cobertura de los mapas  | GRIB data<br>Datos GRIB |
| 1          | 2                                                                | 3                                                                                  | 4                                                                              | 5                       |
| London     | global/mundial <sup>1</sup>                                      | B, E <sup>2</sup> , G, H, K, EUR and MID (FL 100 - 450),<br>C and/y D <sup>3</sup> | B, C, D, E, G, H and/y K                                                       | global/<br>mundial      |
| Washington | global/mundial <sup>1</sup>                                      | A <sup>5</sup> , B1, H, J, E, G, I <sup>3</sup> and/y F <sup>4</sup>               | A, B1, E, F, G, H, I and/y J                                                   | global/<br>mundial      |

1. For back-up purposes.
2. Currently produced by RAFC Tokyo.
3. Parts of area D currently produced by RAFCs Dakar, Nairobi and New Delhi and relayed to WAFC London for uplink on SADIS.
4. Currently produced by RAFC Melbourne and relayed to WAFC Washington for uplink on the international satellite communications system (ISCS).
5. Currently produced by RAFC Brasilia (area limited by 12° N – 130° W; 12° N – 25° W; 35° S – 25° W; 35° S – 130° W) and RAFC Buenos Aires (stereographic polar plane limited by 7.85° S – 95.98° W; 11.48° S – 41.57° W; 59.91° S – 0.22° E; 39.25° S – 136.56° W).

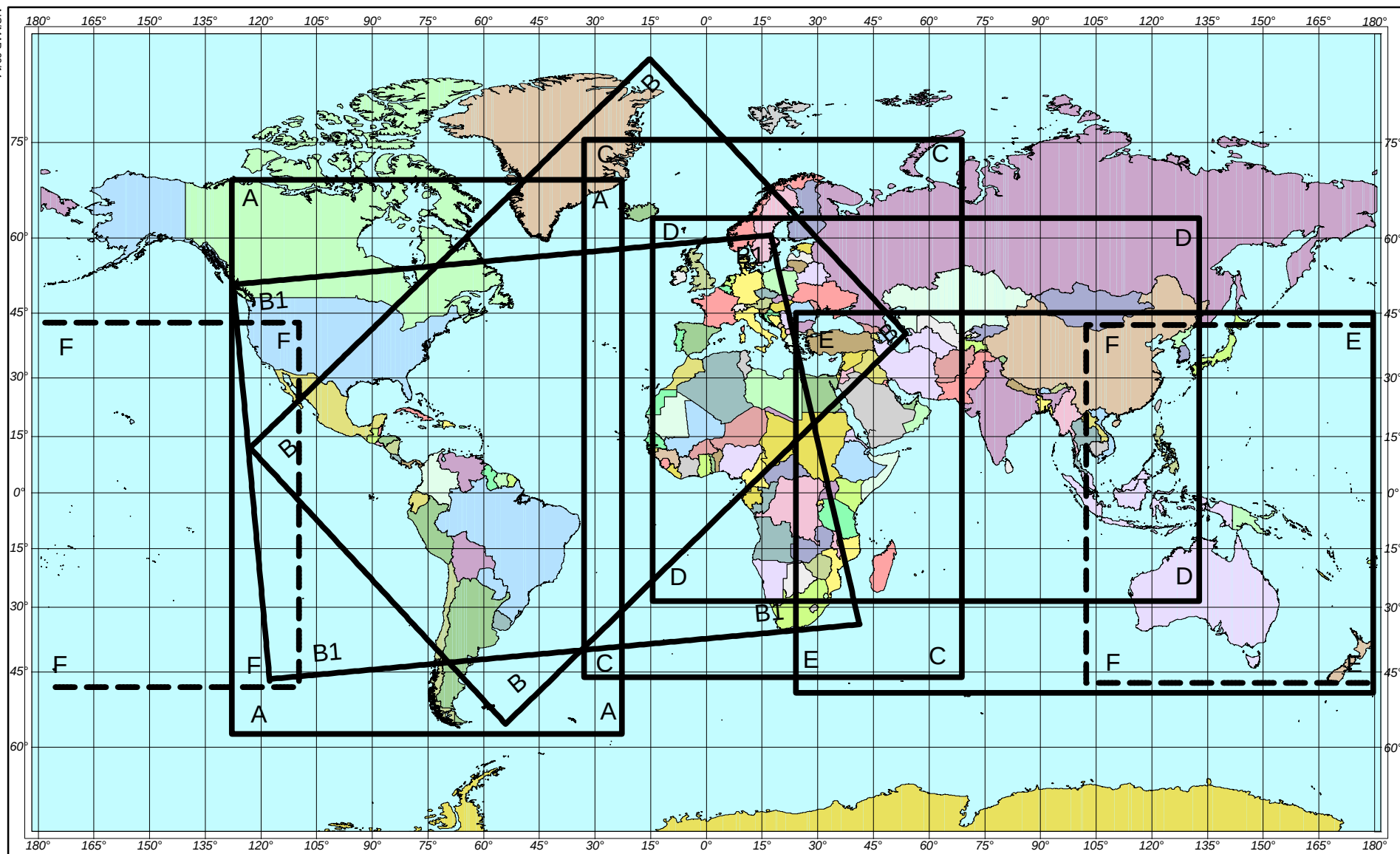
#### Notes (French text)

Notas correspondientes a los exponentes de la Tabla MET 6 anterior:

1. Para fines de reserva.
2. Actualmente producido por el RAFC de Tokio.
3. Partes del área D son actualmente producidas por los RAFC de Dakar, Nairobi y Nueva Delhi y retransmitidos al WAFC de Londres para enlace ascendente por el SADIS.
4. Actualmente producidos por el RAFC de Melbourne y retransmitidos al WAFC de Washington para enlace ascendente por el sistema internacional de comunicaciones por satélite (ISCS).
5. Actualmente producidos por el RAFC de Brasilia (área limitada por los 12° N - 130° W; 12° N - 25° W; 35° S - 25° W; 35° S - 130° W) y por el RAFC de Buenos Aires (plano estereográfico polar limitado por 7.85° S - 95.98° W; 11.48° S - 41.57° W; 59.91° S - 0.22° E; 39.25° S - 136.56° W).

MAXIMUM AREAS OF COVERAGE - MERCATOR PROJECTION  
 ZONES DE COUVERTURE MAXIMALES - PROJECTION MERCATOR  
 ZONAS DE COBERTURA MÁXIMA - PROYECCIÓN MERCATOR

AISSMAP 00/14



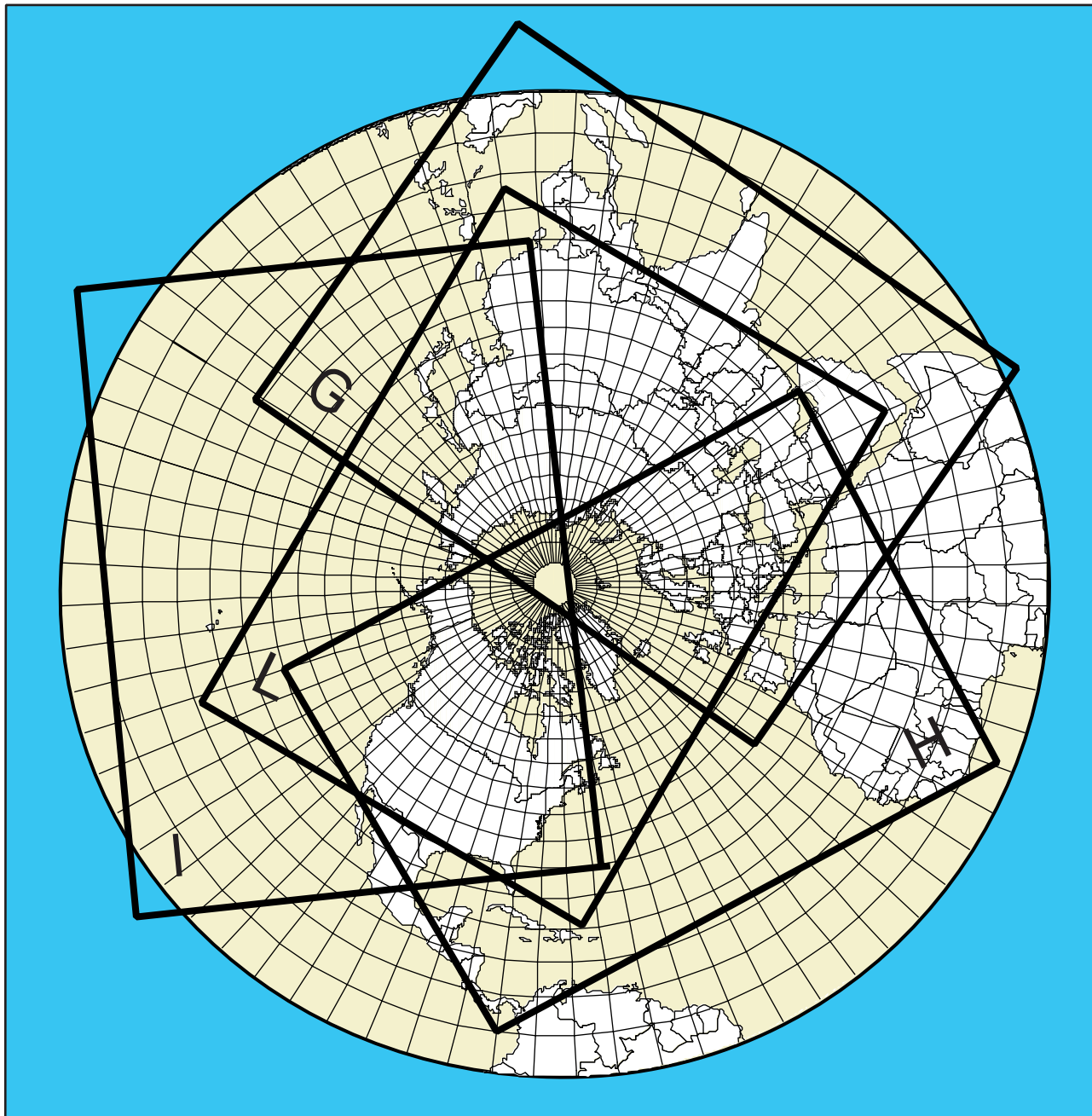
CAR/SAM FASID

CHART MET 4

MAXIMUM AREAS OF COVERAGE - POLAR STEREOGRAPHIC PROJECTION  
ZONES DE COUVERTURE MAXIMALES - PROJECTION STÉRÉOGRAPHIQUE POLAIRE  
ZONAS DE COBERTURA MÁXIMA - PROYECCIÓN ESTEREOGRÁFICA POLAR

CAR/SAM FASID

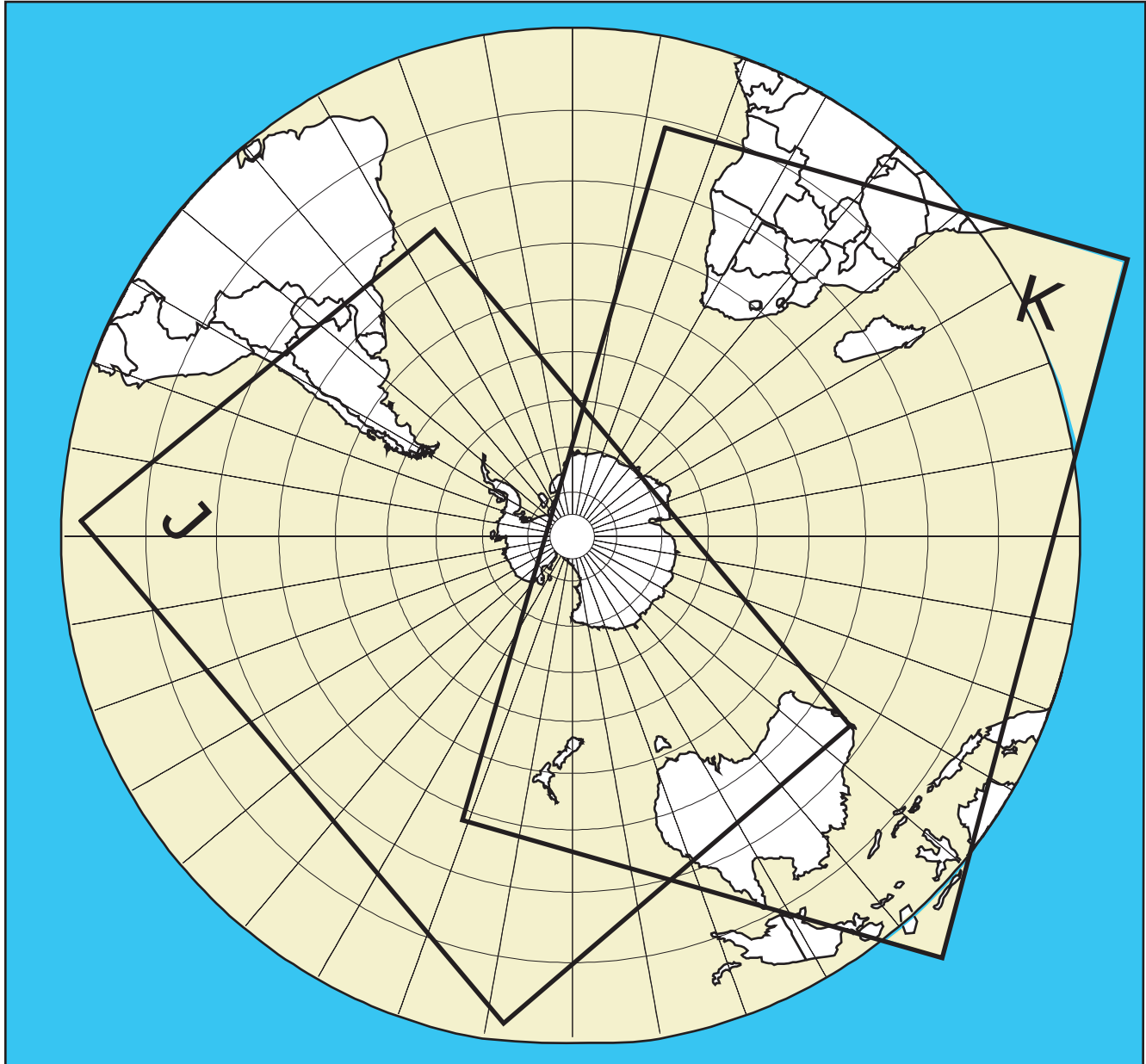
CHART MET 5



MAXIMUM AREAS OF COVERAGE - POLAR STEREOGRAPHIC PROJECTION  
ZONES DE COUVERTURE MAXIMALES - PROJECTION STÉRÉOGRAPHIQUE POLAIRE  
ZONAS DE COBERTURA MÁXIMA - PROYECCIÓN ESTEREOGRÁFICA POLAR

CAR/SAM FASID

CHART MET 6



## Table MET 7 — Tableau MET 7 — Tabla MET 7

### STATUS OF AUTHORIZED ACCESS BY ISCS/1 USERS TO THE SATELLITE BROADCAST AND LOCATION OF THE OPERATIONAL VSATs

#### FRENCH TEXT

#### SITUACIÓN DE ACCESO AUTORIZADO POR LOS USUARIOS ISCS/1 A LA RADIODIFUSIÓN POR SATÉLITE Y LUGAR DE LOS VSAT OPERACIONALES

#### EXPLANATION OF THE TABLE

##### Column

- 1 Name of the State or territory.
- 2 User of the satellite broadcast. Abbreviations used:  
CAA — civil aviation authority  
NMS — national meteorological service  
O — other than the civil aviation authority or the national meteorological service.
- 3 Location of VSAT: town and, where applicable, aerodrome to be indicated.
- 4 Indication whether the access to the satellite broadcast has been approved:  
X — yes  
[blank] — no.
- 5 Indication whether the equipment is operational:  
2w — two-way VSAT operational  
1w — one-way VSAT operational  
[blank] — no.

#### EXPLICACIÓN DE LA TABLA

##### Columna

- 1 Nombre del Estado o territorio.
  - 2 Usuario de la radiodifusión por satélite. Las abreviaturas empleadas son:  
CAA — administración de aviación civil
-

NMS — servicio meteorológico nacional

O — otros que no sean la administración de aviación civil o el servicio meteorológico nacional.

3 Lugar del VSAT: ha de indicarse la ciudad y, de ser aplicable el aeródromo.

4 Indicación de si se ha aprobado el acceso a la radiodifusión por satélite:

X — sí

[en blanco] — no.

5 Indicación de si el equipo está en condiciones de funcionamiento:

2w — VSAT funcional en ambos sentidos

1w — VSAT funcional en un sentido

[en blanco] — no.

---

| International Satellite Communication System (ISCS/1) provided by the United States<br>French text<br>Sistema internacional de comunicaciones por satélite (ISCS/1) suministrado por Estados Unidos |                                                                                                 |                                                                                  |                                                   |                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|
| State/Territory<br>French text<br>Estado/Territorio                                                                                                                                                 | User of satellite<br>broadcast<br>French<br>text<br>Usuario de la radiodifusión<br>por satélite | Location of VSAT/Lugar del VSAT<br>French<br>Spanish                             | Access approved<br>French text<br>Acceso aprobado | Equipment operational<br>French text<br>Equipo funcional   |
| 1                                                                                                                                                                                                   | 2                                                                                               | 3                                                                                | 4                                                 | 5                                                          |
| ANGUILLA<br>(United Kingdom)                                                                                                                                                                        | CAA                                                                                             | Headquarters NMS Antigua<br>Saint Johns/V.C. Bird Airport                        | X                                                 | relayed by<br>french text<br>retransmitido<br>par Antigua  |
| ANTIGUA AND BARBUDA                                                                                                                                                                                 | NMS                                                                                             | Saint Johns/V.C. Bird Airport                                                    | X                                                 | 2w                                                         |
| ARGENTINA                                                                                                                                                                                           | NMS                                                                                             | National Meteorological Service, Buenos Aires                                    | X                                                 | 1w                                                         |
| ARUBA<br>(Netherlands)                                                                                                                                                                              | NMS                                                                                             | MET Headquarters/Hato Airport (Curaçao)                                          | X                                                 | relayed by<br>French text<br>retransmitido<br>par Curaçao  |
| BAHAMAS                                                                                                                                                                                             | NMS                                                                                             | Nassau/New Providence Intl. Airport                                              | X                                                 | 2w                                                         |
| BARBADOS                                                                                                                                                                                            | NMS<br>O                                                                                        | Bridgetown/Grantley Adams Intl Airport<br>Caribbean Meteorological Institute     | X<br>X                                            | 2w<br>2w                                                   |
| BELIZE                                                                                                                                                                                              | NMS                                                                                             | Belize/Philip S.W. Goldson Intl Airport                                          | X                                                 | 2w                                                         |
| BOLIVIA                                                                                                                                                                                             | CAA                                                                                             | La Paz/El Alto Int. Airp.                                                        | X                                                 | 1w                                                         |
| BRAZIL                                                                                                                                                                                              | CAA<br>NMS                                                                                      | RAFC - BRASILIA<br>MET Headquarters, Brasilia                                    | X<br>X                                            | 1w<br>1w                                                   |
| CAYMAN ISLANDS<br>(United Kingdom)                                                                                                                                                                  | CAA                                                                                             | Georgetown/Owen Roberts Intl.                                                    | X                                                 | 2w                                                         |
| CHILE                                                                                                                                                                                               | NMS                                                                                             | DMC, Santiago de Chile/Arturo Merino Intl Airport                                | X                                                 | 1w                                                         |
| COLOMBIA                                                                                                                                                                                            | NMS                                                                                             | Headquarters of the Hydrology and Met Institute, Santa<br>Fé de Bogotá           | X                                                 | 2w                                                         |
| COSTA RICA                                                                                                                                                                                          | NMS                                                                                             | Headquarters in San José                                                         | X                                                 | 2w                                                         |
| CUBA                                                                                                                                                                                                | CAA<br>NMS                                                                                      | Met Office/MWO, La Habana/ José Martí Intl. Airport<br>Met. Institute, La Habana | X<br>X                                            | 1w<br>2w                                                   |
| DOMINICA                                                                                                                                                                                            | CAA                                                                                             | Headquarters NMS Barbados<br>Bridgetown/Grantley Adams Intl Airport              | X                                                 | relayed by<br>french text<br>retransmitido<br>par Barbados |
| DOMINICAN REPUBLIC                                                                                                                                                                                  | CAA                                                                                             | Sto. Domingo National Met. Office                                                | X                                                 | 2w                                                         |
| EL SALVADOR                                                                                                                                                                                         | NMS                                                                                             | San Salvador/Ilopango Intl. Airport                                              | X                                                 | 2w                                                         |

| International Satellite Communication System (ISCS/1) provided by the United States<br>French text<br>Sistema internacional de comunicaciones por satélite (ISCS/1) suministrado por Estados Unidos |                                                                                                 |                                                                                                      |                                                   |                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|
| State/Territory<br>French text<br>Estado/Territorio                                                                                                                                                 | User of satellite<br>broadcast<br>French<br>text<br>Usuario de la radiodifusión<br>por satélite | Location of VSAT/Lugar del VSAT<br>French<br>Spanish                                                 | Access approved<br>French text<br>Acceso aprobado | Equipment operational<br>French text<br>Equipo funcional  |
| 1                                                                                                                                                                                                   | 2                                                                                               | 3                                                                                                    | 4                                                 | 5                                                         |
| ECUADOR                                                                                                                                                                                             | NMS<br>CAA<br>CAA                                                                               | Headquarters in Quito<br>Quito/Mariscal Sucre<br>Guayaquil/Simón Bolívar                             | X<br>X<br>X                                       | 1w                                                        |
| FRENCH ANTILLES<br>(France)                                                                                                                                                                         | NMS<br>NMS                                                                                      | Le Raizet Airport (Guadeloupe)<br>Le Lamentin Airport (Martinique)                                   | X<br>X                                            | 2w<br>2w                                                  |
| GRENADA                                                                                                                                                                                             | NMS                                                                                             | Saint Georges/Point Salines Airport                                                                  | X                                                 | 2w                                                        |
| FRENCH GUIANA<br>(France)                                                                                                                                                                           | NMS                                                                                             | Cayenne - Rochambeau Airpor                                                                          | X                                                 | 2w                                                        |
| GUATEMALA                                                                                                                                                                                           | NMS                                                                                             | Guatemala/La Aurora Intl. Airport                                                                    | X                                                 | 2w                                                        |
| GUYANA                                                                                                                                                                                              | NMS                                                                                             | Timheri/Cheddi Jargan Intl. Airport                                                                  | X                                                 | 2w                                                        |
| HAITI                                                                                                                                                                                               | NMS                                                                                             |                                                                                                      |                                                   |                                                           |
| HONDURAS                                                                                                                                                                                            | NMS                                                                                             | Tegucigalpa/Toncontín Intl. Airport                                                                  | X                                                 | 2w                                                        |
| JAMAICA                                                                                                                                                                                             | NMS                                                                                             | Kingston/Norman Manley Intl.                                                                         | X                                                 | 2w                                                        |
| MEXICO                                                                                                                                                                                              | CAA<br>NMS                                                                                      | Mexico/Benito Juárez Intl. Airport<br>Headquarters in Mexico City                                    | X<br>X                                            | 1w<br>2w                                                  |
| MONTSERRAT<br>(United Kingdom)                                                                                                                                                                      | NMS                                                                                             | Headquarters NMS Antigua<br>Saint Johns/V.C. Bird Airport                                            | X                                                 | relayed by<br>french text<br>retransmitido<br>par Antigua |
| NETHERLANDS ANTILLES<br>(Netherlands)                                                                                                                                                               | NMS<br>NMS                                                                                      | MET Headquarters/Hato Airport (Curaçao)<br>MET Philipsburg/Princess Juliana Airport<br>(St. Maarten) | X<br>X                                            | 2w<br>2w                                                  |
| NICARAGUA                                                                                                                                                                                           | NMS                                                                                             | Managua/Augusto C. Sandino Intl. Airport                                                             | X                                                 | 2w                                                        |
| PANAMA                                                                                                                                                                                              | NMS/CAA                                                                                         | Panama/Tocumen Int. Airport                                                                          | X                                                 | 2w                                                        |
| PARAGUAY                                                                                                                                                                                            | CAA                                                                                             | Asunción/Silvio Pettirossi Airport                                                                   | X                                                 | 1w                                                        |
| PERU                                                                                                                                                                                                | CAA<br>NMS                                                                                      | Lima-Callao/Jorge Chávez Int. Airport<br>Headquarters                                                | X<br>X                                            | 1w<br>1w                                                  |
| PUERTO RICO<br>(United States)                                                                                                                                                                      | NMS                                                                                             | Nexrad Weather Forecast Office (NWFO)                                                                | X                                                 | 2w                                                        |
| SAINT KITTS AND NEVIS                                                                                                                                                                               | CAA                                                                                             | Headquarters NMS Antigua<br>Saint Johns/V.C. Bird Airport                                            | X                                                 | relayed by<br>french text<br>retransmitido<br>par Antigua |

| International Satellite Communication System (ISCS/1) provided by the United States<br>French text<br>Sistema internacional de comunicaciones por satélite (ISCS/1) suministrado por Estados Unidos |                                                                                                 |                                                                           |                                                   |                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|
| State/Territory<br>French text<br>Estado/Territorio                                                                                                                                                 | User of satellite<br>broadcast<br>French<br>text<br>Usuario de la radiodifusión<br>por satélite | Location of VSAT/Lugar del VSAT<br>French<br>Spanish                      | Access approved<br>French text<br>Acceso aprobado | Equipment operational<br>French text<br>Equipo funcional   |
| 1                                                                                                                                                                                                   | 2                                                                                               | 3                                                                         | 4                                                 | 5                                                          |
| SAINT LUCIA                                                                                                                                                                                         | NMS                                                                                             | Vieux-Fort/Hewanorra Intl Airport                                         | X                                                 | 2w                                                         |
| SAINT VINCENT AND THE<br>GRENADINES                                                                                                                                                                 | CAA                                                                                             | Headquarters NMS Barbados<br>Bridgetown/Grantley Adams Intl Airport       | X                                                 | relayed by<br>french text<br>retransmitido<br>par Barbados |
| SURINAME                                                                                                                                                                                            | NMS                                                                                             | Zandery/Johan Adolf Pengel                                                | X                                                 | 1w                                                         |
| TORTOLA<br>(United Kingdom)                                                                                                                                                                         |                                                                                                 | Headquarters NMS Antigua<br>Saint Johns/V.C. Bird Airport                 | X                                                 | relayed by<br>french text<br>retransmitido<br>par Antigua  |
| TRINIDAD AND TOBAGO                                                                                                                                                                                 | NMS                                                                                             | Port of Spain, Piarco Intl. Airport                                       | X                                                 | 2w                                                         |
| TURKS AND CAICOS IS.<br>(United Kingdom)                                                                                                                                                            |                                                                                                 |                                                                           | X                                                 | 2w                                                         |
| URUGUAY                                                                                                                                                                                             | NMS                                                                                             | MET Office , Montevideo/<br>Carrasco Intl Gral Cesareo L. Berisso Airport | X                                                 | 1w                                                         |
| VENEZUELA                                                                                                                                                                                           | NMS                                                                                             | Servicio Meteorologico FAV/Maracay                                        | X                                                 | 1w                                                         |

## Part VII

# SEARCH AND RESCUE SERVICES (SAR) — FASID

### INTRODUCTION

1. The Standards, Recommended Practices and procedures to be applied and related guidance material are as listed in paragraph 1, Part VII – SAR of the Caribbean/South American (CAR/SAM) Basic ANP. The material in this part complements that contained in Part I – Statement of Basic Operational Requirements and Planning Criteria of the Basic ANP and should be taken into consideration in the overall planning processes for the CAR/SAM regions.

2. This part contains the details of the facilities and services to be provided to fulfil the basic requirements of the plan and are as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. This element of the FASID, in conjunction

with the CAR/SAM Basic ANP, is kept under constant review by GREPECAS in accordance with its schedule of management, in consultation with user and provider States and with the assistance of the ICAO North American, Central American and Caribbean (NACC) and the South American (SAM) Offices.

### SEARCH AND RESCUE FACILITIES

Table SAR 1

[CAR/SAM/3, Rec. 6/2]

3. The list of search and rescue (SAR) facilities as contained in Table SAR 1 should constitute the plan for SAR facilities for the CAR/SAM regions.

---

## Table SAR 1 — Tableau SAR 1 — Tabla SAR 1

### SEARCH AND RESCUE FACILITIES FRENCH TEXT INSTALACIONES DE BÚSQUEDA Y SALVAMENTO

#### EXPLANATION OF THE TABLE

##### Column

- 1 Name of rescue coordination centre (RCC) or rescue sub-centre (RSC) followed by the location of each rescue unit.  
SPOC — SAR point of contact for the reception of alert messages detected by the COSPAS-SARSAT\* system.

- 2 Minimum requirements for other services, including parachute rescue units (PRU), mountain rescue units (MRU), mission control centres (MCC) of the COSPAS-SARSAT\* system and the automated mutual-assistance vessel rescue (AMVER) system.

*Extra long-range (ELR)* — aircraft with a radius of action of 2 780 km (1 500 NM) or more, plus 2 ½ hours search remaining.

*Very long range (VLR)* — aircraft with a radius of action of more than 1 850 km (1 000 NM) plus 2 ½ hours search remaining.

*Long range (LRG)* — aircraft with a radius of action of 1 390 km (750 NM) plus 2 ½ hours search remaining.

*Medium range (MRG)* — aircraft with a radius of action of 740 km (400 NM) plus 2 ½ hours search remaining.

*Short range (SRG)* — aircraft with a radius of action of 280 km (150 NM) plus ½ hour search remaining.

*Helicopter (HEL-L)* — light helicopter with a radius of action for rescue purposes of up to 185 km (100 NM) and a capacity for evacuating 1 to 5 persons.

*Helicopter (HEL-M)* — medium helicopter with a radius of action for rescue purposes of 185/370 km (100/200 NM) and a capacity for evacuating 6 to 15 persons.

*Helicopter (HEL-H)* — heavy helicopter with a radius of action for rescue purposes of more than 370 km (200 NM) and a capacity for evacuating more than 15 persons.

*Rescue boat (RB)* — short-range coastal or river craft with an approximate speed of 14 knots or higher.

*Rescue vessel (RV)* — seagoing craft, good manoeuvrability, long range, and relatively high speed. Patrol boats, customs and pilot launches, among others, are of particular value if assigned as high priority for search and rescue operations.

## NOTES

1. Aircraft and marine craft will be made available as required.
2. Marine craft with a greater radius of action are available whenever necessary
3. Aircraft and marine craft coverage from San Juan and Guantánamo U.S. Naval Base (Cuba).
4. Only limited service presently provided by collaboration.
5. Additional rescue units available at Cuzco HEL-L; HEL-M.

\* COSPAS = Space system for search of vessels in distress.

SARSAT = Search and rescue satellite-aided tracking.

## EXPLICACIÓN DE LA TABLA

## Columna

- 1 Nombre del centro coordinador de salvamento (RCC) o del subcentro de salvamento (RSC) y el lugar en que se encuentra cada brigada de salvamento.

SPOC — Punto de contacto SAR para la recepción de mensajes de alerta detectados por el sistema Cospas/Sarsat\*.

- 2 Requisitos mínimos para otros servicios, entre otros los siguientes: brigadas paracaidistas de salvamento (PRU); brigadas alpinas (MRU); control de control de misión del sistema Cospas/Sarsat\*; y sistema mutua para el salvamento de buques (AMVER).

*Radio de acción sumamente grande (ELR)* - aeronave con un radio de acción de 2.780 km (1500 NM) o más, más 2 ½ horas de reserva para búsqueda.

*Radio de acción muy grande (VLR)* — aeronave con un radio de acción de más de 1850 Km (1000 NM) más 2 ½ horas de reserva para la búsqueda.

*Gran radio de acción (LRG)* — aeronave con un radio de acción de 1390 Km. (750 NM) más 2 ½ horas de búsqueda.

*Radio de acción medio (MRG)* — aeronave con un radio de acción de 740 Km (400 NM) más 2 ½ horas de búsqueda.

*Pequeño radio de acción (SRG)* — aeronave con un radio de acción de 280 km (150 NM) más ½ hora de búsqueda.

*Helicóptero (HEL-L)* — helicópteros ligeros con un radio de acción para fines de búsqueda, de hasta 185 km. (100 NM) y capacidad para evacuar de 1 a 5 personas.

*Helicóptero (HEL-M)* — helicópteros medios con un radio de acción para fines de búsqueda, de 185/370 km.

(100/200 NM) y capacidad para evacuar de 6 a 15 personas.

*Helicóptero (HEL-H)* — helicópteros pesados con un radio de acción para fines de búsqueda superior a 370 km. (200 NM) y capacidad para evacuar a más de 15 personas.

*Embarcación de salvamento (RB)* — embarcación costera o fluvial de corto radio de acción con una velocidad aproximada a 14 nudos o mayor.

*Buque de salvamento (RV)* — embarcación apta para la navegación de altura, buena maniobrabilidad, de gran radio de acción y velocidad relativamente grande. Las lanchas patrulleras, aduaneras y la de los prácticos, entre otras, son particularmente útiles si se les ha asignado alta prioridad para las operaciones de búsqueda y salvamento.

#### NOTAS

1. *Se dispondrá de aeronaves y barcos según se requiera.*
2. *Se dispone de embarcaciones de mayor radio según sea necesario.*
3. *Aeronaves y embarcaciones estacionadas en San Juan y Guantánamo U.S. Naval Base (Cuba).*
4. *Actualmente sólo se presta servicio limitado por colaboración.*
5. *Brigada de salvamento suplementaria disponible en Cusco HEL-L; HEL-M.*

- \* COSPAS = Sistema espacial para la búsqueda de naves en peligro  
SARSAT = Búsqueda y salvamento por satélite
-

| RCC and rescue units<br>RCP et équipes de sauvetage<br>RCC y brigadas de salvamento | Required rescue facilities<br>Moyens de sauvetage requis<br>Medios exigidos para el salvamento |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 1                                                                                   | 2                                                                                              |

**ANGUILLA (United Kingdom)**

SAN JUAN RCC  
Anguilla RB

**ANTIGUA AND BARBUDA**

PIARCO RCC  
(Trinidad and Tobago)  
Antigua RB

**ARGENTINA**

COMODORO RIVADAVIA RCC  
Base Marambio ELR MRG PRU  
HEL-H

Comodoro Rivadavia VLR RV PRU  
HEL-H RB MRU

Rio Gallegos VLR RV  
SRG RB

CORDOBA RCC  
Córdoba MRG PRU  
SRG

Salta SRG MRU

EZEIZA RCC (SPOC)  
Buenos Aires ELR RV PRU  
VLR RB

San Carlos de Bariloche HEL-H RB MRU  
SRG  
HEL-L

MENDOZA RCC  
Mendoza MRG MRU  
HEL-L

RESISTENCIA RCC  
Resistencia MRG RB PRU  
SRG  
HEL-H

**ARUBA (Netherlands)**

CURACAO RCC  
Aruba RB

**BAHAMAS**

MIAMI RCC (1)  
Nassau

| RCC and rescue units<br>RCP et équipes de sauvetage<br>RCC y brigadas de salvamento | Required rescue facilities<br>Moyens de sauvetage requis<br>Medios exigidos para el salvamento |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 1                                                                                   | 2                                                                                              |

**BARBADOS**

PIARCO RCC  
(Trinidad and Tobago)  
Barbados RSC SRG RB  
Bridgetown

**BELIZE**

CENTRAL AMERICAN RCC (SPOC)  
(Tegucigalpa, Honduras – COCESNA)  
Belize RSC SRG RB  
HEL-L

**BOLIVIA**

LA PAZ RCC (SPOC) SRG  
La Paz MRG  
Santa Cruz HEL-M

**BRAZIL**

AMAZONICA RCC  
Belém MRG RV  
HEL-L RB  
Manaus HEL-L

**ATLANTICO RCC**

BRASILIA RCC (SPOC)  
Rio de Janeiro ELR RV MCC  
VLR RB PRU  
MRG  
HEL-H  
HEL-L

CURITIBA RCC  
Campo Grande MRG  
HEL-M  
HEL-L  
MRG RV  
HEL-L RB  
HEL-L

Florianópolis  
Rio Grande  
Santa Maria  
Santos

RECIFE RCC  
Natal RV  
RB

Recife  
Salvador HEL-L  
MRG

| RCC and rescue units<br>RCP et équipes de sauvetage<br>RCC y brigadas de salvamento | Required rescue facilities<br>Moyens de sauvetage requis<br>Medios exigidos para el salvamento |  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|
| 1                                                                                   | 2                                                                                              |  |

**CHILE**

## IQUIQUE RCC

Iquique

SRG RV  
ELR RB

HEL-L

Antofagasta

SRG RV  
ELR RB

HEL-L

## PUERTO MONTT RCC

Puerto Montt

SRG RV  
ELR RB

HEL-L

## PUNTA ARENAS RCC

Punta Arenas

SRG RV  
ELR RB

HEL-M

Tte. Marsh

SRG RB  
ELR

HEL-M

## SANTIAGO RCC (SPOC)

Santiago

SRG RV  
MRG RB

ELR

HEL-M

MCC

**COLOMBIA**

## BOGOTA RCC (SPOC)

Bogotá

MRG HEL-M

Medellín

MRG HEL-M

Cali

SRG

Cúcuta

SRG

Villavicencio

SRG

Leticia

SRG

## BARRANQUILLA RCC

Barranquilla

SRG RB

San Andrés

SRG RB

**COSTA RICA**

## CENTRAL AMERICAN RCC (SPOC)

(Tegucigalpa, Honduras – COCESNA)

San José RSC

MRG  
HEL-L

Puntarenas

RV

Puerto Limón

RV

Guanacastle

RB

**CUBA**

## HABANA RCC (2) (SPOC)

Habana

MRG RV  
HEL-M RB

Holguín

MRG RV

Santa Clara

HEL-M RB  
MRG RB

HEL-M

**DOMINICA**

## PIARCO RCC

(Trinidad and Tobago)

Fort-de-France RSC

## POINTE-A-PITRE RSC

Dominica

RB

**DOMINICAN REPUBLIC**

## SANTO DOMINGO RCC

Santo Domingo

SRG RV

**ECUADOR**

## GUAYAQUIL RCC (SPOC)

Guayaquil

LRG RV  
HEL-M RB

HEL-H

Quito

LRG

HEL-M

MRU

**EL SALVADOR**

## CENTRAL AMERICAN RCC (SPOC)

(Tegucigalpa, Honduras – COCESNA)

San Salvador RSC

SRG RB

**FRENCH ANTILLES (France)**

## PIARCO RCC

(Trinidad and Tobago)

Fort-de-France RSC

MRG RV  
HEL-L

Pointe-a-Pitre RSC

MRG RV  
HEL-L**FRENCH GUIANA (France)**

## CAYENNE RCC

Cayenne

MRG  
HEL-L RB

| RCC and rescue units<br>RCP et équipes de sauvetage<br>RCC y brigadas de salvamento | Required rescue facilities<br>Moyens de sauvetage requis<br>Medios exigidos para el salvamento |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 1                                                                                   | 2                                                                                              |

Saint-Laurent du Maroni

RB

**GRENADA**

PIARCO RCC  
(Trinidad and Tobago)  
Pointe Salines

RB

**GUATEMALA**

CENTRAL AMERICAN RCC (SPOC)  
(Tegucigalpa, Honduras – COCESNA)  
Guatemala RSC

MRG  
HEL-M

Caribbean Sea  
Pacific Ocean

RV  
RV**GUYANA**

GEORGETOWN RCC  
Georgetown

SRG  
HEL-L

RB

**HAITI**

PORT-AU-PRINCE RCC  
Port-au-Prince

SRG  
HEL-L

RB

**HONDURAS**

CENTRAL AMERICAN RCC (SPOC)  
(Tegucigalpa, Honduras – COCESNA)  
Tegucigalpa RSC

MRG  
HEL-M  
LRG

Caribbean Sea  
Pacific Ocean

RV  
RV**JAMAICA**

KINGSTON RCC (3)  
Kingston

SRG  
HEL-L

RV

Montego Bay

RB

**MEXICO**

MEXICO RCC (4) (SPOC)  
Mexico  
Guadalajara  
Mazatlán  
Ensenada  
La Paz  
Cozumel

MRG  
MRG  
  
RV  
RV  
MRG  
MRG  
MRG

RV  
RV  
  
RV

| RCC and rescue units<br>RCP et équipes de sauvetage<br>RCC y brigadas de salvamento | Required rescue facilities<br>Moyens de sauvetage requis<br>Medios exigidos para el salvamento |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 1                                                                                   | 2                                                                                              |

Veracruz

MRG

RV

Acapulco

ELR

VLR

Puerto Vallarta

MRG

**MONTSERRAT (United Kingdom)**

ANTIGUA RSC  
Montserrat

RB

**NETHERLANDS ANTILLES (Netherlands)**

CURAÇAO RCC  
Curaçao

LRG

RV

**NICARAGUA**

CENTRAL AMERICAN RCC (SPOC)  
(Tegucigalpa, Honduras – COCESNA)  
Managua RSC

MRG  
SRG

Caribbean Sea  
Pacific Ocean

RV  
RV**PANAMA**

PANAMA RCC (SPOC)  
Panama

MRG  
HEL-M  
LRG

RV

**PARAGUAY**

ASUNCION RCC (SPOC)  
Asunción  
  
Concepción

SRG  
HEL-L  
SRG

**PERU**

LIMA RCC (5) (SPOC)  
Piura  
Lima  
Arequipa  
Iquitos

MRG  
LRG  
MRG  
LRG  
HEL-L

RV  
RV  
RV

MCC

**PUERTO RICO (United States)**

SAN JUAN RSC  
San Juan

ELR  
HEL-H

AMVER

**SAINT KITTS AND NEVIS**

ANTIGUA RSC

## VII-SAR 1-8

## CAR/SAM FASID

| RCC and rescue units<br>RCP et équipes de sauvetage<br>RCC y brigadas de salvamento | Required rescue facilities<br>Moyens de sauvetage requis<br>Medios exigidos para el salvamento |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 1                                                                                   | 2                                                                                              |

Saint Kitts

RB

**SAINT LUCIA**

FORT-DE-FRANCE RSC

RB

Saint Lucia

RB

**SAINT MAARTEN (Netherlands Antilles)**

SAN JUAN RSC

Saint Maarten

RB

**SAINT VINCENT AND THE GRENADINES**

PIARCO RCC

(Trinidad and Tobago)

Saint Vincent

RB

**SURINAME**

CAYENNE RCC (SPOC)

Zandery RSC

MRG  
HEL-L

RB

**TRINIDAD AND TOBAGO**

PIARCO RCC (SPOC)

Port-of-Spain

SRG  
HEL-MRV  
RB**UNITED STATES**

MIAMI RCC

Cape Canaveral

RV  
RB

Clearwater

ELR  
HEL-M

Key West

RV  
RB

Miami

LRG  
HEL-LRV  
RB

AMVER

Panama City

RV  
RB

San Juan RSC

St. Petersburg

HEL-L

RB  
RV

AMVER

NEW ORLEANS RCC

Corpus Christi

LRG  
HEL-L

RB

Freeport

| RCC and rescue units<br>RCP et équipes de sauvetage<br>RCC y brigadas de salvamento | Required rescue facilities<br>Moyens de sauvetage requis<br>Medios exigidos para el salvamento |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 1                                                                                   | 2                                                                                              |

Galveston

RV

Houston

HEL-L

Mobile

LRG

HEL-M

New Orleans

HEL-L

AMVER

Pensacola

RV

U.S. Mission Control Centre (SPOC)

**URUGUAY**

MONTEVIDEO RCC

(SPOC)

LRG

RV

Carrasco

MRG

RB

SRG

HEL-L

**VENEZUELA**

MAIQUETIA RCC (SPOC)

Maiquetía

SRG

RV

MRG

HEL-L

HEL-M

HEL-H

MARACAIBO (RSC)

Maracaibo

SRG

RB

HEL-H

CIUDAD BOLÍVAR (SRC)

Ciudad Bolívar

SRG

HEL-L

BARQUISIMETO (SRC)

Barquisimeto

SRG

HEL-L

SAN FERNANDO (SRC)

San Fernando

SRG

HEL-L

BARINAS (SRC)

Barinas

SRG

HEL-L

**VIRGIN ISLANDS (United Kingdom)**

SAN JUAN RSC

Beef Island

RB

## Part VIII

# AERONAUTICAL INFORMATION SERVICES AND CHARTS (AIS/MAP) — FASID

### INTRODUCTION

[CAR/SAM/3, Rec. 12/2]

1. The Standards, Recommended Practices and Procedures to be applied and related guidance material are listed in paragraph 1, Part VIII — AIS of the CAR/SAM Basic ANP. The material in this part complements that contained in Part I — BORPC of the Basic ANP and should be taken into consideration in the overall planning processes for the CAR/SAM regions.

2. This part contains the details of the facilities and/or services to be provided to fulfill the basic requirements of the Plan and are as agreed between the provider and user States concerned. Such agreement indicates a commitment on the part of the State(s) concerned to implement the requirement(s) specified. This element of the FASID, in conjunction with the CAR/SAM Basic ANP, is kept under constant review by GREPECAS in accordance with its schedule of management, in consultation with user and provider States and with the assistance of the ICAO NACC and SAM Regional Offices.

### ORGANIZATION AND PROVISION OF AERONAUTICAL INFORMATION SERVICES AND CHARTS

3. The requirements for the organization of aeronautical information services at aerodromes in the CAR/SAM regions are shown in Table AIS 1.

4. Table AIS 2 contains the requirements for the provision of aeronautical information at aerodromes in the CAR/SAM regions.

5. Table AIS 3 sets out the CAR/SAM regions' requirements for International NOTAM Offices (NOFs) and Chart AIS 1.

6. Table AIS 4 sets out the requirements for the availability of the elements of the integrated aeronautical information package from other States at international aerodromes in the CAR/SAM regions.

7. Table AIS 5 sets out the requirements for World Geodetic System — 1984 (WGS-84) aeronautical coordinates in the CAR/SAM regions.

8. Table AIS 6 sets out the requirements for aeronautical charts' production in the CAR/SAM regions

9. Table AIS 7 sets out the allocation of production responsibility for sheets of the World Aeronautical Chart — ICAO 1: 1 000 000 series for the CAR/SAM regions and Chart AIS 2.

10. Table AIS 8 sets out the requirements for the elements of the integrated aeronautical information package in the CAR/SAM regions.

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Table AIS 1 — Tableau AIS 1 — Tabla AIS 1

**ESTABLISHMENT OF AERODROME AIS UNITS**  
**FRENCH TEXT**  
**ESTABLECIMIENTO DE DEPENDENCIAS AIS DE AERÓDROMO**

| State or Territory<br>French text<br>Estado o Territorio | AIS aerodrome units required at City/Aerodrome<br>French text<br>Dependencias de ais aeródromo requeridas en Ciudad/Aeródromo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANGUILLA (United Kingdom)                                | THE VALLEY/Wall Blake, Anguilla I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ANTIGUA AND BARBUDA                                      | SAINT JOHNS/V.C. Bird, Antigua I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ARGENTINA                                                | BUENOS AIRES/Aeroparque Jorge Newbery<br>BUENOS AIRES/Ezeiza Ministro Pistarini<br>COMODORO RIVADAVIA /General Mosconi<br>CORDOBA/Ing. Aer. A.L. Tarabela<br>BUENOS AIRES/Don Torcuato<br>FORMOSA/Formosa<br>CATARATAS DEL IGUAZU/My. D. Carlos Eduardo Krausse<br>JUJUY/Gobernador Guzmán<br>MAR DEL PLATA/Gral. B. de la Colina<br>MENDOZA/EI Plumerillo<br>NEUQUEN/Presidente Perón<br>POSADAS/Libertador Gral. D. José de San Martín<br>RESISTENCIA/Resistencia<br>RIO GALLEGOS/ Piloto Civil N. Fernández<br>RIO GRANDE/Río Grande<br>ROSARIO/Rosario<br>SALTA/Salta<br>SAN CARLOS DE BARILOCHE/San Carlos de Bariloche<br>BUENOS AIRES/San Fernando<br>TUCUMAN/Tte. Benjamin Matienzo<br>USHUAIA/Malvinas Argentinas |
| ARUBA (Netherlands)                                      | ORANJESTAD/Reina Beatrix, Aruba I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BAHAMAS                                                  | ALICE TOWN/South Bimini, Bimini I.<br>COCKBURN TOWN/San Salvador I.<br>FREEPORT/Freeport Intl, Grand Bahama I.<br>GEORGE TOWN/George Town, Exuma I.<br>GOVERNOR'S HARBOUR/ Governor's Harbour, Eleuthera I.<br>MARSH HARBOUR/Marsh Harbour, Abaco I.<br>NASSAU/Nassau Intl, New Providence I.<br>NORTH ELEUTHERA/North Eleuthera, Eleuthera I.<br>STELLA MARIS/Long Island I.<br>TREASURE CAY/Treasure Cay, Abaco I.<br>WEST END/West End, Grand Bahama I.                                                                                                                                                                                                                                                                 |

| State or Territory<br>French text<br>Estado o Territorio | AIS aerodrome units required at City/Aerodrome<br>French text<br>Dependencias de ais aeródromo requeridas en Ciudad/Aeródromo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BARBADOS                                                 | BRIDGETOWN/Grantley Adams Intl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BELIZE                                                   | BELIZE/Philip S.W. Goldson Intl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BOLIVIA                                                  | COCHABAMBA/Jorge Wilsterman<br>LA PAZ/ El Alto<br>SANTA CRUZ/Viru Viru<br>TARIJA/Oriel Lea Plaza<br>TRINIDAD/Tte. Av. Jorge Henrich Arauz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| BRAZIL                                                   | BELEM/Val-de-Cães<br>BELO HORIZONTE/Tancredo Neves<br>BOA VISTA/Boa Vista Intl.<br>BRASILIA/Brasília Intl<br>CAMPINAS/Viracopos<br>CAMPO GRANDE/Campo Grande Intl.<br>CORUMBA/Corumba Intl.<br>CRUZEIRO DO SUL/Cruzeiro do Sul Intl.<br>CUIABA/Marechal Rondón<br>CURITIBA/Afonso Pena<br>FLORIANOPOLIS/Hercílio Luz Intl<br>FORTALEZA/Pinto Martins<br>FOZ DE IGUAÇU/Cataratas<br>MACAPA/Macapa Intl.<br>MANAUS/Eduardo Gomes<br>NATAL/Augusto Severo<br>PONTA PORA/Ponrta Porá Intl.<br>PORTO ALEGRE/Salgado Filho<br>RECIFE/Guararapes<br>RIO DE JANEIRO/Galeão, Antonio Carlos Jobim Intl<br>SALVADOR/ Deputado Luis Eduardo Magalhães<br>SANTAREM/Santarém Intl<br>SAO LUIS/Marechal Cunha Machado<br>SAO PAULO/Guarulhos Intl<br>TABATINGA/Intl.<br>URUGUAIANA/Rubens Berta |
| CAYMAN ISLANDS (United Kingdom)                          | CAYMAN BRAC/Gerrard Smith Intl<br>Georgetown/Owen Roberts Intl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CHILE                                                    | ANTOFAGASTA/Cerro Moreno<br>ARICA/Chacalluta<br>CONCEPCION/Carriel Sur<br>IQUIQUE/Gral Diego Aracena Intl.<br>PUERTO MONTT/El Tepual<br>PUNTA ARENAS/Pdte. C. Ibañez del Campo<br>SANTIAGO/Arturo Merino Benítez<br>TEMUCO/Manquehue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| COLOMBIA                                                 | BARRANQUILLA/Ernesto Cortissoz<br>BOGOTA/Eldorado<br>CALI/Alfonso Bonilla Aragón<br>CARTAGENA/Rafael Núñez<br>CÚCUTA/Camilo Daza<br>LETICIA/Alfredo Vásquez Cobo<br>RIONEGRO/José María Córdoba                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| State or Territory<br>French text<br>Estado o Territorio | AIS aerodrome units required at City/Aerodrome<br>French text<br>Dependencias de ais aeródromo requeridas en Ciudad/Aeródromo                                                                                                                               |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                          | SAN ANDRES I./Sesquicentenario<br>SANTAFÉ DE BOGOTÁ/Eldorado                                                                                                                                                                                                |
| COSTA RICA                                               | ALAJUELA/Juan Santamaría Intl<br>LIBERIA/Daniel Oduber Quirós<br>LIMON/Limón Intl<br>PAVAS/Tobías Bolanos Intl.                                                                                                                                             |
| CUBA                                                     | CAMAGUEY/Ignacio Agramonte<br>CAYO LARGO DEL SUR/Vilo Acuña<br>CIEGO DE AVILA/Máximo Gómez<br>HABANA/José Martí Intl<br>HOLGUIN/Frank País<br>SANTIAGO DE CUBA/Antonio Maceo<br>VARADERO/ Juan Gualberto Gómez                                              |
| DOMINICA                                                 | MELVILLE HALL/Dominica<br>ROSEAU/Canefield                                                                                                                                                                                                                  |
| DOMINICAN REPUBLIC                                       | BARAHONA/Arpto. Internacional María Montes<br>HERRERA/Arpto. Internacional de Herrera<br>LA ROMANA/La Romana Intl<br>PUERTO PLATA/Gregorio Luperón Intl<br>PUNTA CANA/Punta Cana Intl<br>SANTIAGO/Cibao Santiago Int.<br>SANTO DOMINGO/De Las Américas Intl |
| ECUADOR                                                  | GUAYAQUIL/Simón Bolívar<br>MANTA/Eloy Alfaro<br>LATACUNGA/Cotopaxi<br>QUITO/Mariscal Sucre                                                                                                                                                                  |
| EL SALVADOR                                              | SAN SALVADOR/EI Salvador Intl<br>SAN SALVADOR/Ilopango Intl                                                                                                                                                                                                 |
| FRENCH ANTILLES (France)                                 | FORT-DE-FRANCE/Le Lamentin, Martinique<br>POINTE-A-PITRE/Le Raizet, Guadeloupe<br>SAINT BARTHELEMY/ Saint Barthelemy, Guadeloupe<br>SAINT MARTIN/Grand Case, Guadeloupe                                                                                     |
| FRENCH GUIANA (France)                                   | CAYENNE/Rochambeau                                                                                                                                                                                                                                          |
| GRENADA                                                  | LAURISTON/Carriacou I.<br>SAINT GEORGES/Point Salines,                                                                                                                                                                                                      |
| GUATEMALA                                                | FLORES/Flores Intl.<br>GUATEMALA/La Aurora<br>PUERTO BARRIOS/Puerto Barrios<br>SAN JOSE/San José                                                                                                                                                            |
| GUYANA                                                   | TIMEHRI/Cheddi Jagan Intl.                                                                                                                                                                                                                                  |
| HAITI                                                    | CAP HAITIEN/Cap Haitien Intl<br>PORT-AU-PRINCE/Port-au-Prince Intl                                                                                                                                                                                          |
| HONDURAS                                                 | LA CEIBA/Golosón Intl<br>COXEN HOLE/Juan Manuel Gálvez Intl. Roatán I.                                                                                                                                                                                      |

| State or Territory<br>French text<br>Estado o Territorio | AIS aerodrome units required at City/Aerodrome<br>French text<br>Dependencias de ais aeródromo requeridas en Ciudad/Aeródromo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                          | SAN PEDRO SULA/La Mesa Intl<br>TEGUCIGALPA/Toncontín Intl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| JAMAICA                                                  | KINGSTON/Norman Manley Intl<br>MONTEGO BAY/Sangster Intl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MEXICO                                                   | ACAPULCO/Gral. Juan N. Alvarez Intl<br>BAHIAS DE HUATULCO/Bahias de Huatulco Intl<br>CAMPECHE/Ing. Alberto Acuña Ongay<br>CANCUN/Cancún Intl<br>CHETUMAL/Chetumal Intl<br>CHIHUAHUA/Gral. Roberto Fierro Villalobos Intl<br>CIUDAD ACUÑA/Ciudad Acuña Intl.<br>CIUDAD JUAREZ/Abraham González Intl<br>COZUMEL/Cozumel Intl<br>CULIACÁN/Fidel Bachigualato<br>DURANGO/Pte. Guadalupe Victoria Intl<br>GUADALAJARA/Miguel Hidalgo y Costilla Intl<br>GUAYMAS/Gral. José María Yañez Intl<br>HERMOSILLO/Gral. I. Pesqueira García Intl<br>IXTAPA-ZIHUATANEJO/Ixtapa-Zihuatanejo Intl.<br>LA PAZ/Gral. Manuel Márquez de León Intl<br>LEÓN/Guanajuato<br>LORETO/Loreto Intl<br>MANZANILLO/Playa de Oro<br>MATAMOROS/Matamoros Intl.<br>MAZATLAN/Gral. Rafael Buelna Intl<br>MERIDA/Lic. Manuel Crescencio Rejon Intl<br>MEXICALI/Gral. Rodolfo Sánchez Taboada Intl<br>MEXICO/Lic. Benito Juárez Intl<br>MONTERREY/Del Norte Intl<br>MONTERREY/Gral. Mariano Escobedo Intl<br>MORELIA/Gral. Francisco J. Mujica Intl.<br>NOGALES/Nogales Intl.<br>NUEVO LAREDO/Quetzalcoatl Intl<br>PIEDRAS NEGRAS/Piedras Negras Intl.<br>PUERTO VALLARTA/Lic. Gustavo Díaz Ordaz Intl<br>REYNOSA/Gral. Lucio Blanco Intl<br>SAN FELIPE/San Felipe Intl<br>SAN JOSE DEL CABO/San José del Cabo Intl<br>TAMPICO/Gral. Francisco Javier Mina Intl<br>TAPACHULA/Tapachula Intl<br>TIJUANA/Gral. Abelardo L. Rodríguez Intl<br>TOLUCA/Lic. Adolfo López Mateos<br>TORREON/Torreón Intl<br>VERACRUZ/Gral. Heriberto Jara Intl<br>VILLAHERMOSA/C. P. A. Carlos Rovirosa Intl.<br>ZACATECAS/Gral. Leobardo C. Ruiz Intl. |
| MONTSERRAT (United Kingdom)                              | PLYMOUTH/W.H. Bramble, Montserrat I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NETHERLANDS ANTILLES (Netherlands)                       | KRALENDIJK/Flamingo, Bonaire I.<br>ORANJESTAD/F.D. Roosevelt, Saint Eustatius I.<br>PHILIPSBURG/Princess Juliana, St. Maarten I.<br>WILLEMSTAD/Hato, Curaçao I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| State or Territory<br>French text<br>Estado o Territorio | AIS aerodrome units required at City/Aerodrome<br>French text<br>Dependencias de ais aeródromo requeridas en Ciudad/Aeródromo                                                                                                                                                                |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NICARAGUA                                                | MANAGUA/Augusto César Sandino Intl<br>PUERTO CABEZAS/Puerto Cabezas                                                                                                                                                                                                                          |
| PANAMA                                                   | BOCAS DEL TORO/Bocas del Toro<br>CHANGUINOLA/Cap. Manuel Niño<br>DAVID/Enrique Malek<br>PANAMA/Marcos A. Gelabert                                                                                                                                                                            |
| PARAGUAY                                                 | PANAMA/Tocumen Intl<br>ASUNCION/Silvio Pettirossi<br>CIUDAD DEL ESTE/Guaraní                                                                                                                                                                                                                 |
| PERU                                                     | AREQUIPA/Rodríguez Ballón Intl<br>CHICLAYO/Cap. José Quiñones González<br>CUSCO/Velazco Astete<br>IQUITOS/Crnel. FAP Francisco Secada Vignetta<br>LIMA-CALLAO/Jorge Chávez Intl<br>PISCO/Pisco<br>TACNA/Crnel. FAP Carlos Ciriani Santa Rosa<br>TRUJILLO/Capitán Carlos Martínez de Pinillos |
| PUERTO RICO (United States)                              | AGUADILLA/Rafael Hernández Intl<br>FAJARDO/Diego Jiménez Torre<br>PONCE/Ponce-Mercedita<br>SAN JUAN/Luis Muñoz Marin Intl<br>VIEQUES/Antonio Rivera                                                                                                                                          |
| SAINT KITTS AND NEVIS                                    | BASSETTERRE/Robert L. Bradshaw, Saint Kitts I.<br>CHARLESTON/Newcastle, Nevis I.                                                                                                                                                                                                             |
| SAINT LUCIA                                              | CASTRIES/Vigie<br>VIEUX-FORT/Hewanorra Intl                                                                                                                                                                                                                                                  |
| SAINT VINCENT AND THE GRENADINES                         | BEQUIA/F. Mitchell<br>CANOUAN/Canouan<br>KINGSTON/E. T. Joshua<br>MUSTIQUE/Mustique<br>UNION ISLAND/Union Island                                                                                                                                                                             |
| SURINAME                                                 | NEW NICKERIE/Maj. Fernandes<br>PARAMARIBO/Zorg en Hoop<br>ZANDERY/Johan Adolf Pengel Intl                                                                                                                                                                                                    |
| TRINIDAD AND TOBAGO                                      | PORT OF SPAIN/Piarco Intl, Trinidad I.<br>SCARBOROUGH/Crown Point, Tobago I.                                                                                                                                                                                                                 |
| TURKS AND CAICOS ISLANDS<br>(United Kingdom)             | GRAND TURK/Grand Turk Intl<br><br>PROVIDENCIALES/Providenciales Intl<br>SOUTH CAICOS/South Caicos Intl                                                                                                                                                                                       |
| URUGUAY                                                  | COLONIA/Internacional de Colonia<br>MALDONADO/Int. C/C Carlos A. Curbelo, Laguna del Sauce<br>MONTEVIDEO/Aeropuerto Angel S. Adami Intl<br>MONTEVIDEO/Carrasco Intl. Gral. Cesáreo L. Berisso<br>RIVERA/Cerro Chapeu Intl                                                                    |

| State or Territory<br>French text<br>Estado o Territorio | AIS aerodrome units required at City/Aerodrome<br>French text<br>Dependencias de ais aeródromo requeridas en Ciudad/Aeródromo                                                                                                                                                               |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                          | SALTO/Nueva Hesperides Intl                                                                                                                                                                                                                                                                 |
| VENEZUELA                                                | BARCELONA/Gral. José Antonio Anzóategui Intl<br>CARACAS/Simón Bolívar Intl, Maiquetía<br>MARACAIBO/La Chinita Intl<br>MARGARITA/Intl Del Caribe, Gral. Santiago Merino<br>PARAGUAIANA/Josefa Camejo Intl.<br>SAN ANTONIO DEL TÁCHIRA/San Antonio del Tachirá<br>VALENCIA/Zim Valencia Intl. |
| VIRGIN ISLANDS (United Kingdom)                          | ROADTOWN/Beef Island<br>VIRGIN GORDA I./Virgin Gorda                                                                                                                                                                                                                                        |
| VIRGIN ISLANDS (United States)                           | CHRISTIANSTED/Henry E. Rohlsen, St. Croix<br>SAINT THOMAS/Cyril E. King                                                                                                                                                                                                                     |

## Table AIS 2 — Tableau AIS 2 — Tabla AIS 2

### AERONAUTICAL INFORMATION SERVICES REQUIRED AT AERODROMES

### SERVICIOS DE INFORMACIÓN AERONÁUTICA REQUERIDOS EN LOS AERÓDROMOS

#### EXPLANATION OF THE TABLE

*Column*

- |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Name of the aerodrome or location where aeronautical information services are required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2 | Designation of aerodrome:<br><br>RS — international scheduled air transport, regular use<br>RNS — international non-scheduled air transport, regular use<br>RG — international general aviation, regular use<br>AS — international scheduled air transport, alternate use                                                                                                                                                                                                                                                                                                   |
| 3 | ICAO location indicator of the aerodrome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4 | Name of the AIS office responsible for the provision of aeronautical information service at the aerodrome concerned indicated in column 1                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5 | ICAO AFTN address of the responsible AIS office                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 6 | AIS information to be available at the aerodrome:<br><br>AIP+: Includes AIP and Amendments, AIP Supplements, NOTAM, AIC<br>L — country in which the aerodrome is located<br>S — surrounding countries<br>FIL — all countries up to and including the aerodrome of first intended landing<br><br>PIB: Pre-flight Information Bulletins<br>P1 — Aerodrome (AD) format<br>P2 — Area format, AD format<br>P3 — Route format, Area format, AD format<br><br>PREP: Preparation method of PIB<br>C — Centralized preparation<br>L — Local preparation (at the aerodrome concerned) |
-

- 7 Area of coverage by AFTN routing areas for which aeronautical information/flight documentation is required to be available
- Note.— The AFTN routing areas are shown on Chart MET 1.*
- 8 Availability of Post-flight Reporting Forms
- 9 Remarks  
(Indicate where processing of aeronautical information is automated/database).  
A — Automated

## EXPLICATION DU TABLEAU

## EXPLICACIÓN DE LA TABLA

## Columna

- 1 Nombre del aeródromo y lugar en el que requieren los servicios de información aeronáutica
- 2 Designación del aeródromo como:  
RS — utilizado como aeródromo regular por el transporte aéreo internacional regular  
RNS — utilizado como aeródromo regular por el transporte aéreo internacional no regular  
RG — utilizado como aeródromo regular por la aviación general internacional  
AS — utilizado como aeródromo de alternativa por el transporte aéreo internacional regular
- 3 Indicador de lugar OACI del aeródromo
- 4 Nombre de la Oficina AIS responsable del suministro del servicio de información aeronáutica en el aeródromo indicado en la columna 1
- 5 Dirección AFTN de la OACI en la oficina AIS responsable
- 6 Información AIS de la que ha de disponerse en el aeródromo:  
  
AIP+: Comprende AIP y Enmiendas, Suplementos AIP, NOTAM, AIC  
L — país en el que está situado el aeródromo  
S — países circundantes  
FIL — todos los países hasta e incluyendo el aeródromo del primer aterrizaje previo  
  
PIB: Boletines de información previa al vuelo  
P1 — formato de aeródromo, (AD)  
P2 — formato de área, formato AD  
P3 — formato de ruta, formato de área, formato AD  
  
PREP: Métodos de preparación de los PIB  
C — preparación centralizada  
L — preparación local (en el aeródromo de que se trate)

- 
- 
- 7 Zona de cobertura de las áreas de encaminamiento AFTN respecto a los cuales se requiere disponer de información aeronáutica/documentación de vuelo

*Nota.— Las áreas de encaminamiento AFTN figuran en Carta MET 1.*

- 8 Disponibilidad de formularios de notificación posterior al vuelo

- 9 Observaciones  
(Indicar si el procedimiento de la información aeronáutica es automatizado/base de datos).  
A — Automatizado
-



| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |             |                                          | Responsible AIS Office<br>French text<br>Oficina AIS encargada        |                                         | AIS information to be provided<br>French text<br>Información AIS a suministrar |   |             |                |                  | Area of coverage by AFTN<br>French text<br>Zona de cobertura por áreas de encaminamiento AFTN | Post Flight Report<br>Informe posterior al vuelo | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---|-------------|----------------|------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                       | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                               |                                                  |                                       |
| 1                                                                                             | 2           | 3                                        | 4                                                                     | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |
| <b>ANGUILLA<br/>(United Kingdom)</b><br>THE VALLEY/Wallblake<br>Anguilla I.                   | RS          | TQPF                                     | CIVILAIR ANTIGUA, St.<br>Johns, Antigua and Barbuda                   | TAPAYAYX                                | X                                                                              | X |             | P2             |                  | M, T                                                                                          | X                                                |                                       |
| <b>ANTIGUA AND BARBUDA</b><br>SAINT JOHNS/V.C. Bird,<br>Antigua I.                            | RS          | TAPA                                     | CIVILAIR ANTIGUA, St.<br>Johns, Antigua and Barbuda.                  | TAPAYAYX                                | X                                                                              | X | X           | P3             |                  | C, E, K, M, T                                                                                 | X                                                |                                       |
| <b>ARGENTINA</b><br>BUENOS AIRES/Aeroparque<br>Jorge Newbery                                  | RS          | SABE                                     | DITRAER BAIRES, Depto. de<br>Información Aeronáutica,<br>Buenos Aires | SABAYAYX<br>SABBYNYX                    | X                                                                              | X |             | P3             |                  | S                                                                                             | X                                                |                                       |
| BUENOS AIRES/Don<br>Torcuato                                                                  | RG          | SADD                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| BUENOS AIRES/Ezeiza<br>Ministro Pistarini                                                     | RS          | SAEZ                                     |                                                                       |                                         | X                                                                              | X | X           | P3             |                  | C, E, G, K, L,<br>M, N, S, T                                                                  | X                                                |                                       |
| BUENOS AIRES/San<br>Fernando                                                                  | RG          | SADF                                     |                                                                       |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| CATARATAS DEL<br>IGUAZÚ/My. D. Carlos<br>Eduardo Krause                                       | RNS &<br>AS | SARI                                     |                                                                       |                                         | X                                                                              | X |             | P3             |                  | S                                                                                             | X                                                |                                       |
| COMODORO RIVADAVIA/<br>General Mosconi                                                        | RS          | SAVC                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| CORDOBA/Ing. Aer. A.L.<br>Tarabela                                                            | RS          | SACO                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| FORMOSA/Formosa                                                                               | RG          | SARF                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| JUJUY/Gobernador Guzmán                                                                       | RS          | SASJ                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| MAR DEL PLATA/ Bgdier.<br>Gral. B. de la Colina                                               | RG&AS       | SAZM                                     |                                                                       |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| MENDOZA/EI Plumerillo                                                                         | RS          | SAME                                     |                                                                       |                                         | X                                                                              | X |             | P3             |                  | S                                                                                             | X                                                |                                       |
| NEUQUEN/ Presidente Perón                                                                     | RNS&AS      | SAZN                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| POSADAS/Libertador Gral.<br>D.José de San Martín                                              | RNS         | SARP                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| RESISTENCIA/Resistencia                                                                       | RNS&AS      | SARE                                     |                                                                       |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| RIO GALLEGOS/Piloto Civil<br>N. Fernández                                                     | RS          | SAWG                                     |                                                                       |                                         | X                                                                              | X | X           | P3             |                  | N, S                                                                                          | X                                                |                                       |
| RIO GRANDE/Río Grande                                                                         | RNS&AS      | SAWE                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| ROSARIO/Rosario                                                                               | RS          | SAAR                                     |                                                                       |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| SALTA/Salta                                                                                   | RS          | SASA                                     |                                                                       |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |             |                                          | Responsible AIS Office<br>French text<br>Oficina AIS encargada |                                         | AIS information to be provided<br>French text<br>Información AIS a suministrar |   |             |                |                  | Area of coverage by AFTN<br>French text<br>Zona de cobertura por áreas de encaminamiento AFTN | Post Flight Report<br>Informe posterior al vuelo | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---|-------------|----------------|------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                               |                                                  |                                       |
| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |
| SAN CARLOS DE BARILOCHE/San Carlos de Bariloche                                               | RNS&AS      | SAZS                                     |                                                                |                                         | X                                                                              | X |             | P3             |                  | S                                                                                             |                                                  |                                       |
| TUCUMAN/Tte. Benjamin Matienzo                                                                | RS          | SANT                                     |                                                                |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| USHUAIA/Malvinas Argentinas                                                                   | RNS&AS      | SAWH                                     |                                                                |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| <b>ARUBA (Netherlands)</b><br>ORANJESTAD/Reina Beatrix, Aruba I.                              | RS          | TNCA                                     | CIVILAIR ARUBA, AIS Reina Beatri Intl., Aruba                  | TNCAYAYX                                | X                                                                              | X | X           |                |                  | E,K,M,S,T                                                                                     | X                                                |                                       |
| <b>BAHAMAS</b><br>ALICE TOWN/South Bimini, Bimini I.                                          | RS          | MYBS                                     | CADAIR BAHAMAS, DCA,Nassau Intl, New Providence I.             | MYNNYOYX                                | X                                                                              | X | X           | P2<br>P3       |                  | K,M                                                                                           | X                                                |                                       |
| COCKBURN TOWN/San Salvador I.                                                                 | RS          | MYSM                                     |                                                                |                                         | X                                                                              |   |             |                |                  |                                                                                               | X                                                |                                       |
| FREEPORT/Freeport Intl, Grand Bahama I.                                                       | RS          | MYGF                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | C,K,M                                                                                         |                                                  |                                       |
| GEORGE TOWN/George Town, Exuma I.                                                             | RS          | MYEG                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | K,M                                                                                           |                                                  |                                       |
| GOVERNOR'S HARBOUR/<br>Governor's Harbour, Eleuthera I.                                       | RS          | MYEM                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | K,M,T                                                                                         |                                                  |                                       |
| MARSH HARBOUR/Marsh Harbour, Abaco I.                                                         | RS          | MYAM                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | K,M                                                                                           |                                                  |                                       |
| NASSAU/Nassau Intl, New Providence I.                                                         | RS          | MYNN                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,E,K,M,T                                                                                     |                                                  |                                       |
| NORTH ELEUTHERA/North Eleuthera, Eleuthera I.                                                 | RS          | MYEH                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                           |                                                  |                                       |
| STELLA MARIS/Long Island I.                                                                   | RS          | MYLS                                     |                                                                |                                         | X                                                                              |   |             | P2             |                  |                                                                                               |                                                  |                                       |
| TREASURE CAY/Treasure Cay, Abaco I.                                                           | RS          | MYAT                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,K,T                                                                                         |                                                  |                                       |
| WEST END/West End, Grand Bahama I.                                                            | RNS&AS      | MYGW                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,K,T                                                                                         |                                                  |                                       |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |             |                                          | Responsible AIS Office<br>French text<br>Oficina AIS encargada |                                         | AIS information to be provided<br>French text<br>Información AIS a suministrar |   |             |                |                  | Area of coverage by AFTN<br>French text<br>Zona de cobertura por áreas de encaminamiento AFTN | Post Flight Report<br>Informe posterior al vuelo | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---|-------------|----------------|------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                               |                                                  |                                       |
| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |
| <b>BARBADOS</b><br>BRIDGETOWN/Grantley<br>Adams Intl                                          | RS          | TBPB                                     | CIVILAV BARBADOS,<br>AIS, Grantley Adams Intl.                 | TBPBYOYX                                | X                                                                              | X | X           | P3             |                  | B,C,E,G,K,L,<br>M,S,T                                                                         |                                                  |                                       |
| <b>BELIZE</b><br>BELIZE/Philip S.W. Goldson<br>Intl                                           | RS          | MZBZ                                     | CIVILAIR BELIZE, AIS,CAD,<br>Belize City                       | MZBZYAYX                                | X                                                                              | X | X           | P2             |                  | K,M,T                                                                                         |                                                  |                                       |
| <b>BOLIVIA</b><br>COCHABAMBA/Jorge<br>Wilsterman                                              | AS          | SLCB                                     | AIS Bolivia, J.F. Kennedy<br>Intl., La Paz                     | SLLP YOYX                               | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| LA PAZ/EI Alto                                                                                | RS          | SLLP                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,M,S                                                                                         | X                                                |                                       |
| SANTA CRUZ/Viru Viru                                                                          | RS          | SLVR                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,M,S                                                                                         | X                                                |                                       |
| TARIJA/Oriel Lea Plaza                                                                        | RNS&AS      | SLTJ                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| TRINIDAD/Tte.Av. Jorge<br>Henrich Arauz                                                       | AS          | SLTR                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| <b>BRAZIL</b><br>BELEM/Val-de-Caes                                                            | RS          | SBBE                                     | DEPV/ D-AIS, Val-de-Caes                                       | SBBEYNYX                                | X                                                                              | X | X           | P3             | L                | K,M,S,T                                                                                       | X                                                | A                                     |
| BELO HORIZONTE/Tancredo<br>Neves                                                              | RS          | SBCF                                     | DEPV/D-AIS, Tancredo Neves                                     | SBCFYNYX                                | X                                                                              |   | X           | P3             | L                | K,M,S,T                                                                                       | X                                                | A                                     |
| BOA VISTA/Boa Vista Intl.                                                                     | RS          | SBBV                                     | DEPV/D-AIS, Boa Vista Intl.                                    | SBBVYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| BRASILIA/Brasília Intl                                                                        | RS          | SBBR                                     | DEPV/D-AIS, Brasília Intl.                                     | SBBRYNYX                                | X                                                                              |   | X           | P3             | L                | K,S                                                                                           | X                                                | A                                     |
| CAMPINAS/Viracopos                                                                            | RS          | SBKP                                     | DEPV/D-AIS, Viracopos                                          | SBKPYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| CAMPO GRANDE/Campo<br>Grande Intl                                                             | RS          | SBCG                                     | DEPV/D-AIS, Campo Grande<br>Intl.                              | SBCGYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| CORUMBA/Corumba Intl.                                                                         | RS          | SBCR                                     | DEPV/D-AIS, Corumbá Intl.                                      | SBCRYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| CRUZEIRO DO SUL/Cruzeiro<br>do Sul Intl.                                                      | RS          | SBCZ                                     | DEPV/D-AIS, Cruzeiro do Sul<br>Intl.                           | SBCZYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| CUIABA/Marechal Rondon                                                                        | RS          | SBCY                                     | DEPV/D-AIS, Marechal<br>Rondon                                 | SBCYNYX                                 | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| CURITIBA/Afonso Pena                                                                          | RS          | SBCT                                     | DEPV/D-AIS, Afonso Pena                                        | SBCTYNYX                                | X                                                                              |   | X           | P3             | L                | S                                                                                             | X                                                | A                                     |
| FLORIANÓPOLIS/Hercílio Luz<br>Intl                                                            | RS          | SBFL                                     | DEPV/D-AIS, Hercílio Luz                                       | SBFLYNYX                                | X                                                                              |   | X           | P3             | L                | S                                                                                             | X                                                | A                                     |
| FORTALEZA/Pinto Martins                                                                       | RS          | SBFZ                                     | DEPV/D-AIS, Pinto Martins                                      | SBFZYNYX                                | X                                                                              |   | X           | P3             | L                | G,K,L,M,S,T                                                                                   | X                                                | A                                     |
| FOZ DO IGUAÇU/Cataratas                                                                       | RS          | SBFI                                     | DEPV/D-AIS, CATARATAS                                          | SBFIYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| MACAPÁ/Macapá Intl.                                                                           | RS          | SBMQ                                     | DEPV/D-AIS, Macapá Intl.                                       | SBMQYNYX                                | X                                                                              |   | X           | P3             | L                | S                                                                                             | X                                                | A                                     |
| MANAUS/Eduardo Gomes                                                                          | RS          | SBEG                                     | DEPV/D-AIS Eduardo Gomes                                       | SBEGYNYX                                | X                                                                              |   | X           | P3             | L                | K,M,S,T                                                                                       | X                                                | A                                     |
| NATAL/Augusto Severo                                                                          | AS          | SBNT                                     | DEPV/D-AIS, Augusto Severo                                     | SBNTYNYX                                | X                                                                              |   |             | P3             | L                | G,L,S                                                                                         | X                                                | A                                     |
| PONTA PORÁ/Ponta Porá<br>Intl.                                                                | RS          | SBPP                                     | DEPV/D-AIS Ponta Porá, Intl.                                   | SBPPYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |

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|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---|-------------|----------------|------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                               |                                                  |                                       |
| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |
| PORTO ALEGRE/Salgado Filho                                                                    | RS          | SBPA                                     | DEPV/D-AIS, Salgado Filho                                      | SBPAYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| RECIFE/Guararapes                                                                             | RS          | SBRF                                     | DEPV/D-AIS, Guararapes                                         | SBRFYNYX                                | X                                                                              |   | X           | P3             | L                | E,G,K,L,S,M,S,T                                                                               | X                                                | A                                     |
| RIO DE JANEIRO/Galeao, Antonio Carlos Jobim Intl                                              | RS          | SBGL                                     | DEPV/D-AIS, Galeao, Antonio Carlos Jobim Intl.                 | SBGLYNYX                                | X                                                                              |   | X           | P3             | L                | C,D,E,F,G,K,L,M,,RS,T                                                                         | X                                                | A                                     |
| SALVADOR/Depotado Luís Eduardo Magalhaes                                                      | RS          | SBSV                                     | DEPV/D-AIS, Deputado Luís Eduardo Magalhaes                    | SBSVYNYX                                | X                                                                              |   | X           | P3             | L                | C,D,E,M,L,K,S,T                                                                               | X                                                | A                                     |
| SANTAREM/Santarém Intl                                                                        | AS          | SBSN                                     | DEPV/D-AIS, Santarém Intl.                                     | SBSNYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| SAO LUIS/Marechal Cunha Machado                                                               | AS          | SBSL                                     | DEPV/D-AIS, Marechal Cunha Machado                             | SBSLYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| SAO PAULO/Guarulhos Intl                                                                      | RS          | SBGR                                     | DEPV/D-AIS, Guarulhos Intl.                                    | SBGRYNYX                                | X                                                                              |   | X           | P3             | L                | C,D,E,F,G,K,L,M,,R,S,T                                                                        | X                                                | A                                     |
| TABATINGA/Tabatinga Intl.                                                                     | RS          | SBTT                                     | DEPV/D-AIS, Tabatinga Intl.                                    | SBTTYNYX                                | X                                                                              |   |             | P3             | L                | S                                                                                             | X                                                | A                                     |
| URUGUAIANA-Rubem Berta                                                                        | RS          | SBUG                                     | DEPV/D-AIS, Rubens Berta                                       | SBUGYNYX                                | X                                                                              |   |             | P3             | L                |                                                                                               |                                                  | A                                     |
| <b>CAYMAN ISLANDS (United Kingdom)</b>                                                        |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| CAYMAN BRAC/Gerrard Smith Intl                                                                | RS          | MWCB                                     | *CAACI CAYMAN, CAA, Grand Cayman                               | MWCRYAYX                                | X                                                                              | X |             | P2             |                  | K,M,T                                                                                         | X                                                |                                       |
| GEORGETOWN/Owen Roberts Intl                                                                  | RS          | MWCR                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,K,M,S                                                                                       | X                                                |                                       |
| <b>CHILE</b>                                                                                  |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| ANTOFAGASTA/Cerro Moreno                                                                      | AS          | SCFA                                     | *AVIADERO SANTIAGO, DGAC, DSIA, Santiago                       | SCENZXNI                                | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| ARICA/Chacalluta                                                                              | RS          | SCAR                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| CONCEPCION/Carriel Sur                                                                        | RS          | SCIE                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| IQUIQUE/Gral Diego Aracena Intl.                                                              | AS          | SCDA                                     |                                                                |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| PUERTO MONTT/EI Tepual                                                                        | RS          | SCTE                                     |                                                                |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| PUNTA ARENAS/Pdte. C. Ibañez del Campo                                                        | AS          | SCCI                                     |                                                                |                                         | X                                                                              |   |             | P2             |                  | S                                                                                             | X                                                |                                       |
| SANTIAGO/Arturo Merino Benítez                                                                | RS          | SCEL                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | C,K,M,N,S,T                                                                                   | X                                                |                                       |
| TEMUCO/Manquehue                                                                              | RS          | SCTC                                     |                                                                |                                         | X                                                                              | X |             |                |                  |                                                                                               | X                                                |                                       |
| <b>COLOMBIA</b>                                                                               |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| BARRANQUILLA/Ernesto Cortissoz                                                                | RS          | SKBQ                                     | *AEROCIVIL SANTA FE DE BOGOTA, SIA, El Dorado Intl.            | SKBOYOYX                                | X                                                                              | X | X           | P3             |                  | K,M,S,T                                                                                       | X                                                |                                       |
| CALI/Alfonso Bonilla Aragón                                                                   | RS          | SKCL                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,M,S                                                                                         | X                                                |                                       |

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|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---|-------------|----------------|------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|---|
|                                                                                               |             |                                          |                                                                |                                         | AIP+                                                                           |   |             | PIB            |                  |                                                                                               |                                                  |                                       |   |
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                               |                                                  |                                       |   |
| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |   |
| CARTAGENA/Rafael Núñez                                                                        | RS          | SKCG                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,K,M,S,T                                                                                     | X                                                |                                       |   |
| CÚCUTA/Camilo Daza                                                                            | RNS&AS      |                                          |                                                                |                                         |                                                                                |   |             |                |                  | P3                                                                                            | S,T                                              |                                       |   |
| LETICIA/Alfredo Vásquez Cobo                                                                  | RNS&AS      | SKLT                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  |                                                                                               | ,M,S,T                                           |                                       | X |
| RIONEGRO/José María Córdoba                                                                   | RS          | SKRG                                     |                                                                |                                         | X                                                                              | X |             | P3             |                  |                                                                                               | K,M,S,T                                          |                                       | X |
| SAN ANDRES I./Sesquicentenario                                                                | RS          | SKSP                                     |                                                                |                                         | X                                                                              | X |             | P3             |                  |                                                                                               | K,M,S                                            |                                       | X |
| SANTA FE DE BOGOTA/Eldorado                                                                   | RS          | SKBO                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  |                                                                                               | C,E,K,L,M,S,T                                    |                                       | X |
| COSTA RICA                                                                                    |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |   |
| ALAJUELA/Juan Santamaría Intl                                                                 | RS          | MROC                                     | *AEROCIVIL COSTA RICA, DGAC, SIA, San Jose                     | MRSJYOYX                                | X                                                                              | X |             | P2             |                  | C,K,M,S,T                                                                                     | X                                                |                                       |   |
| LIBERIA/Daniel Oduber Quirós                                                                  | RNS&AS      | MRLB                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |   |
| LIMON/Limón Intl                                                                              | RG          | MRLM                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |   |
| PAVAS/Tobías Bolanos Intl                                                                     | RG          | MRPV                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |   |
| CUBA                                                                                          |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |   |
| CAMAGUEY/Ignacio Agramonte                                                                    | RS          | MUCM                                     | *AIS CUBA, SIA, Ciudad de la Habana                            | MULHYOYX                                | X                                                                              | X | X           | P3             |                  | C,E,K,L,M,S,T                                                                                 | X                                                |                                       |   |
| CAYO LARGO DEL SUR/Vilo Acuña                                                                 | RS          | MUCL                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |   |
| CIEGO DE AVILA/Maximo Gomez                                                                   | RS          | MUCA                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |   |
| HABANA/José Martí Intl                                                                        | RS          | MUHA                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  |                                                                                               | C,E,F,G,H,K,L,M,S,T                              |                                       | X |
| HOLGUIN/Frank País                                                                            | RS          | MUHG                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |   |
| SANTIAGO DE CUBA/Antonio Maceo                                                                | RS          | MUCU                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | C,L,M,S,T                                        |                                       | X |
| VARADERO/ Juan Gualberto Gómez                                                                | RS          | MUVR                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  |                                                                                               | C,E,K,L,M,S,T                                    |                                       | X |
| DOMINICA                                                                                      |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |   |
| MELVILLE HALL/Dominica                                                                        | RS          | TDPD                                     | *CIVILAIR ANTIGUA, St.Jhns, Antigua and Barbuda                | TAPAYAYX                                | X                                                                              | X |             | P2             |                  | T                                                                                             | X                                                |                                       |   |
| ROSEAU/Canefield                                                                              | RS          | TDPR                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |   |

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|                                                                                               |             |                                       |                                                                |                                      | AIP+                                                                           |   | PIB         |                |                  |                                                                                                             |                                                  |                                       |  |
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                                             |                                                  |                                       |  |
| 1                                                                                             | 2           | 3                                     | 4                                                              | 5                                    | 6                                                                              |   |             |                |                  | 7                                                                                                           | 8                                                | 9                                     |  |
| <b>DOMINICAN REPUBLIC</b>                                                                     |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                             |                                                  |                                       |  |
| BARAHONA/Arpto. Internacional María Montes                                                    | RS          | MDBH                                  | *DIRACIV SANTO DOMINGO, DGAC, SIA,Santo Domingo                | MDSYAYX                              | X                                                                              | X |             | P2             |                  | C,E,K,L,M,S,T                                                                                               | X                                                |                                       |  |
| HERRERA/Arpto. Internacional de Herrera                                                       | RS          | MDHE                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                             | X                                                |                                       |  |
| LA ROMANA/La Romana Intl                                                                      | RS          | MDLR                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                             | X                                                |                                       |  |
| PUERTO PLATA/Gregorio Luperón Intl                                                            | RS          | MDPP                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                             | X                                                |                                       |  |
| PUNTA CANA/Punta Cana Intl                                                                    | RS          | MDPC                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                             | X                                                |                                       |  |
| SANTIAGO/Cibao                                                                                | RS          | MDST                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                             | X                                                |                                       |  |
| SANTO DOMINGO/De Las Américas Intl                                                            | RS          | MDSD                                  |                                                                |                                      | X                                                                              | X | X           | P3             |                  |                                                                                                             | X                                                |                                       |  |
| <b>ECUADOR</b>                                                                                |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                             |                                                  |                                       |  |
| GUAYAQUIL/Simón Bolívar                                                                       | RS          | SEGU                                  | *DIRAVIACIVIL QUITO, DGAC, SIA,Quito                           | SEQUYOYX                             | X                                                                              | X | X           | P3             |                  | K,M,S,T                                                                                                     | X                                                | A                                     |  |
| LATACUNGA/Cotopaxi                                                                            | RNS&AS      | SELT                                  |                                                                |                                      | X                                                                              | X | X           | P3             |                  |                                                                                                             | X                                                | A                                     |  |
| MANTA/Eloy Alfaro                                                                             | RS          | SEMT                                  |                                                                |                                      | X                                                                              | X | X           | P3             |                  |                                                                                                             | X                                                | A                                     |  |
| QUITO/Mariscal Sucre                                                                          | RS          | SEQU                                  |                                                                |                                      | X                                                                              | X | X           | P3             |                  |                                                                                                             | X                                                | A                                     |  |
|                                                                                               |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                             |                                                  |                                       |  |
| <b>EL SALVADOR</b>                                                                            |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                             |                                                  |                                       |  |
| SAN SALVADOR/EI Salvador Intl                                                                 | RS          | MSLP                                  | *AEROCIVIL ILOPANGO, DGTA, SIA, Ilopango Intl.                 | MSSSYOYX                             | X                                                                              | X | X           | P2             |                  | K,M,S                                                                                                       | X                                                |                                       |  |
| SAN SALVADOR/Ilopango Intl                                                                    | RG          | MSSS                                  |                                                                |                                      | X                                                                              | X | X           | P2             |                  |                                                                                                             | X                                                |                                       |  |
| <b>FRENCH ANTILLES (France)</b>                                                               |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                             |                                                  |                                       |  |
| FORT-DE-FRANCE/Le Lamentin, Martinique                                                        | RS          | TFFF                                  | *AVIACIVIL FORT DE FRANCE, DRAC, Fort de France, Martinique    | TFFDYAYX                             | X                                                                              | X | X           | P3             |                  | C,L,M,S,T                                                                                                   | X                                                |                                       |  |
| POINTE-A-PITRE/Le Raizet, Guadeloupe                                                          | RS          | TFFR                                  |                                                                |                                      | X                                                                              | X | X           | P3             |                  |                                                                                                             | X                                                |                                       |  |
| SAINT BARTHELEMY/ Saint Barthelemy, Guadeloupe                                                | RS          | TFFJ                                  |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                             |                                                  |                                       |  |
|                                                                                               |             |                                       |                                                                |                                      |                                                                                |   | X           | X              |                  |                                                                                                             |                                                  |                                       |  |

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|                                                                                               |             |                                          |                                                                |                                         | AIP+                                                                           |   | PIB         |                |                  |                                                                                                                |                                                  |                                                                           |
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                                                |                                                  |                                                                           |
| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                                              | 8                                                | 9                                                                         |
| SAINT MARTIN/Grand Case, Guadeloupe                                                           | RS          | TFFG                                     |                                                                |                                         |                                                                                | X |             |                |                  |                                                                                                                |                                                  | Service provided by TFFR<br>French text<br>Servicio suministrado por TFFR |
| <b>FRENCH GUIANA (France)</b><br>CAYENNE/Rochambeau                                           | RS          | SOCA                                     | *AVIACIVIL FORT DE FRANCE, DRAC, Fort de France, Martinique    | TFFDYAYX                                | X                                                                              | X | X           | P3             |                  | K,L,M,S,T                                                                                                      | X                                                |                                                                           |
| <b>GRENADA</b><br>LAURISTON/Carriacou I.                                                      | RS          | TGPZ                                     | AIS, Saint Georges, Point Salnes Airport                       | TGPYYOYX                                | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                                                           |
| SAINT GEORGES/Point Salines,                                                                  | RS          | TGPY                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,T                                                                                                            | X                                                |                                                                           |
| <b>GUATEMALA</b><br>FLORES/Flores Intl                                                        | RS          | MGFL                                     | *DAEROCIVIL GUATEMALA,SIA, La Aurora Intl.                     | MGGTYOYX                                | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                                                           |
| GUATEMALA/La Aurora                                                                           | RS          | MGGT                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,M,S,T                                                                                                        | X                                                |                                                                           |
| PUERTO BARRIOS/Puerto Barrios                                                                 | RG&AS       | MGPB                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                                                           |
| SAN JOSE/San José                                                                             | RG&AS       | MGSJ                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                                                           |
| <b>GUYANA</b><br>TIMEHRI/Cheddi Jagan Intl                                                    | RS          | SYCJ                                     | *TIMAIRPORT GUYANA, AIS, Cheddi Jagan Intl                     | SYCJYOYX                                | X                                                                              | X | X           | P3             |                  | C,K,M,S,T                                                                                                      | X                                                |                                                                           |
| <b>HAITI</b><br>CAP HAITIEN/Cap Haitien Intl                                                  | RS          | MTCH                                     | *CIVILAV PORT-AU-PRINCE,OFNAC, SIA, Port-au-Prince             | MTEGYAYX                                | X                                                                              | X |             | P2             |                  | M                                                                                                              | X                                                |                                                                           |
| PORT-AU-PRINCE/Port-au-Prince Intl                                                            | RS          | MTPP                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,K,M,T                                                                                                        | X                                                |                                                                           |
| <b>HONDURAS</b><br>LA CEIBA/Goloson Intl                                                      | RS          | MHLC                                     | *AIS HONDURAS ,Toncontín Intl.                                 | MHTGYOYX                                | X                                                                              | X |             | P2             |                  | K,M                                                                                                            | X                                                |                                                                           |

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| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                          | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |
| ROATAN/Coxen Hole                                                                             | RS          | MHRO                                     | *CIVAV JAMAICA ,CAD,<br>Kingston                               | MKJKYAYX                                   | X                                                                              | X |             | P2             |                  | K,M                                                                                           | X                                                |                                       |
| SAN PEDRO SULA/La Mesa Intl                                                                   | RS          | MHLM                                     |                                                                |                                            | X                                                                              | X |             | P2             |                  | K,M                                                                                           | X                                                |                                       |
| TEGUCIGALPA/Toncontín Intl.                                                                   | RS          | MHTG                                     |                                                                |                                            |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| <b>JAMAICA</b>                                                                                |             |                                          |                                                                |                                            |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| KINGSTON/Norman Manley Intl                                                                   | RS          | MKJP                                     |                                                                |                                            | X                                                                              | X | X           | P3             |                  | C,E,K,M,T                                                                                     | X                                                |                                       |
| MONTEGO BAY/Sangster Intl                                                                     | RS          | MKJS                                     |                                                                |                                            | X                                                                              | X | X           | P3             |                  | C,E,K,M,T                                                                                     | X                                                |                                       |
| <b>MEXICO</b>                                                                                 |             |                                          |                                                                |                                            |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| ACAPULCO/Gral. Juan N. Alvarez Intl                                                           | RS          | MMAA                                     |                                                                | *CIVILAIR MEXICO, DPO,<br>OSIA, Mexico, DF | MMMXYAYX                                                                       | X | X           | X              | P3               | C,K,S                                                                                         | X                                                |                                       |
| BAHIAS DE HUATULCO/Bahias de Huatulco Intl                                                    | RNS&AS      | MMBT                                     |                                                                |                                            |                                                                                | X | X           | X              | P3               | C,K,S                                                                                         | X                                                |                                       |
| CAMPECHE/Ing. Alberto Acuña Ongay                                                             | RG          | MMCP                                     |                                                                |                                            |                                                                                | X | X           |                | P2               |                                                                                               | X                                                |                                       |
| CANCUN/Cancún Intl                                                                            | RS          | MMUN                                     |                                                                |                                            |                                                                                | X | X           | X              | P3               | C,E,K,L,M                                                                                     | X                                                |                                       |
| CHETUMAL/Chetumal Intl                                                                        | RS          | MMCM                                     |                                                                |                                            |                                                                                | X | X           |                | P2               | K,M                                                                                           | X                                                |                                       |
| CHIHUAHUA/Gral. Roberto Fierro Villalobos Intl                                                | RS          | MMCU                                     |                                                                |                                            |                                                                                | X | X           |                | P2               | K,M                                                                                           | X                                                |                                       |
| CIUDAD ACUNA/Ciudad Acuña Intl                                                                | RG          | MMMC                                     |                                                                |                                            |                                                                                | X | X           |                | P2               |                                                                                               | X                                                |                                       |
| CIUDAD JUAREZ/Abraham González Intl                                                           | RG&AS       | MMCS                                     |                                                                |                                            |                                                                                | X | X           |                | P2               | K,M                                                                                           | X                                                |                                       |
| COZUMEL/Cozumel Intl                                                                          | RS          | MMCZ                                     |                                                                |                                            |                                                                                | X | X           | X              | P3               | C,K,M                                                                                         | X                                                |                                       |
| CULIACAN/Fidel Bachigualato                                                                   | RS          | MMCL                                     |                                                                |                                            |                                                                                | X | X           |                | P2               | K,M                                                                                           | X                                                |                                       |
| DURANGO/Pte. Guadalupe Victoria Intl                                                          | RS          | MMDO                                     |                                                                |                                            | X                                                                              | X |             | P2             |                  | K,M                                                                                           | X                                                |                                       |
| GUADALAJARA/Miguel Hidalgo y Costilla Intl                                                    | RS          | MMGL                                     |                                                                |                                            | X                                                                              | X | X           | P3             |                  | C,K,M                                                                                         | X                                                |                                       |
| GUAYMAS/Gral. José Maria Yañez Intl                                                           | RS          | MMGM                                     |                                                                |                                            | X                                                                              | X | X           | P3             |                  | C,K,M                                                                                         | X                                                |                                       |
| HERMOSILLO/Gral. I. Pesqueira Garcia Intl                                                     | RS          | MMHO                                     |                                                                |                                            | X                                                                              | X |             | P2             |                  | K,M                                                                                           | X                                                |                                       |
| IXTAPA-ZIHUATANEJO/Ixtapa-Zihuatanejo Intl                                                    | RS          | MMZH                                     |                                                                |                                            | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| LA PAZ/Gral. Manuel Márquez de Leon Intl                                                      | RS          | MMLP                                     |                                                                |                                            | X                                                                              | X |             | P2             |                  | K,M                                                                                           | X                                                |                                       |

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| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                                           | 8                                                | 9                                     |
| LEON/Guanajuato                                                                               | RS          | MMLO                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| LORETO/Loreto Intl                                                                            | RS          | MMLT                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| MANZANILLO/Playa de Oro Intl.                                                                 | RS          | MMZO                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| MATAMOROS/Matamoras Intl                                                                      | RG & AS     | MMMA                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| MAZATLAN/Gral. Rafael Buelna Intl                                                             | RS          | MMMZ                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | C,K,M                                                                                                       | X                                                |                                       |
| MERIDA/Lic. Manuel Crecencio Rejon Intl                                                       | RS          | MMMD                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,E,K,M                                                                                                     | X                                                |                                       |
| MEXICALI/Gral. Rodolfo Sánchez Taboada Intl                                                   | RG          | MMML                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| MEXICO/Lic. Benito Juárez Intl                                                                | RS          | MMMX                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,E,K,L,M,S,T                                                                                               | X                                                |                                       |
| MONTERREY/Del Norte Intl                                                                      | RG          | MMAN                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| MONTERREY/Gral. Mariano Escobedo Intl                                                         | RS          | MMMY                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| MORELIA/Gral. Francisco Y. Mujica Intl                                                        | RS          | MMMM                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| NOGALES/Nogales Intl                                                                          | RG          | MMNG                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                                             | X                                                |                                       |
| NUEVO LAREDO/Quetzalcoatl Intl                                                                | RG          | MMNL                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| PIEDRAS NEGRAS/Piedras Negras Intl                                                            | RG          | MMPG                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| PUERTO VALLARTA/Lic. Gustavo Díaz Ordaz Intl                                                  | RS          | MMPR                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | C,K,M                                                                                                       | X                                                |                                       |
| REYNOSA/Gral. Lucio Blanco Intl                                                               | RG          | MMRX                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| SAN FELIPE/San Felipe Intl                                                                    | RG          | MMSF                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| SAN JOSE DEL CABO/San José del Cabo Intl                                                      | RS          | MMSD                                     |                                                                |                                         | X                                                                              | X | X           | P2             |                  | C,K,M                                                                                                       | X                                                |                                       |
| TAMPICO/Gral. Francisco Javier Mina Intl                                                      | RS          | MMTM                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| TAPACHULA/Tapachula Intl                                                                      | RNS         | MMTP                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| TIJUANA/Gral. Abelardo L. Rodríguez Intl                                                      | RS          | MMTJ                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| TOLUCA/Lic. Adolfo López Mateos                                                               | RNS         | MMTO                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| TORREON/Torreón Intl                                                                          | RS          | MMTC                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| VERACRUZ/Gral. Heiberto Jara Intl                                                             | RS          | MMVR                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |
| VILLAHERMOSA/C.P.A. Carlos Rovirosa Intl                                                      | RS          | MMVA                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | K,M                                                                                                         | X                                                |                                       |

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|                                                                                               |             |                                       |                                                                |                                      | AIP+                                                                           |   | PIB         |                |                  |                                                                                                                |                                                  |                                       |
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                                                |                                                  |                                       |
| 1                                                                                             | 2           | 3                                     | 4                                                              | 5                                    | 6                                                                              |   |             |                |                  | 7                                                                                                              | 8                                                | 9                                     |
| ZACATECAS/Gral. Leobardo C. Ruiz Intl                                                         | RS          | MMZC                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  | K,M                                                                                                            | X                                                |                                       |
| <b>MONTSERRAT<br/>(United Kingdom)</b>                                                        |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                                |                                                  |                                       |
| PLYMOUTH/W.H. Bramble, Montserrat I.                                                          | RS          | TRPM                                  | MCW, Plymouth, (also Port of Spain, Trinidad and Tobago)       | TRPMYAYX                             | X                                                                              | X |             | P2             |                  | T                                                                                                              | X                                                |                                       |
| <b>NETHERLANDS ANTILLES<br/>(Netherlands)</b>                                                 |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                                |                                                  |                                       |
| KRALENDIJK/Flamingo, Bonaire I.                                                               | RS          | TNCB                                  | *CIVILAIR CURACAO, DCA, AIS                                    | TNCCYOYX                             | X                                                                              | X |             | P2             |                  | K, T                                                                                                           | X                                                |                                       |
| ORANJESTAD/F.D. Roosevelt, Saint Eustatius I.                                                 | RS          | TNCE                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  | T                                                                                                              | X                                                |                                       |
| PHILIPSBURG/Princess Juliana, St. Maarten I.                                                  | RS          | TNCM                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  | K,M,T                                                                                                          | X                                                |                                       |
| WILLEMSTAD/Hato, Curaçao I.                                                                   | RS          | TNCC                                  |                                                                |                                      | X                                                                              | X | X           | P3             |                  | E,K,M,S,T                                                                                                      | X                                                |                                       |
| <b>NICARAGUA</b>                                                                              |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                                |                                                  |                                       |
| MANAGUA/Augusto César Sandino Intl                                                            | RS          | MNMG                                  | AIS NICARAGUA, DGAC, Managua                                   | MNMGYAYX                             | X                                                                              | X | X           | P2             |                  | K,M                                                                                                            | X                                                |                                       |
| PUERTO CABEZAS/Puerto Cabezas                                                                 | AS          | MNPC                                  |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                                |                                                  |                                       |
| <b>PANAMA</b>                                                                                 |             |                                       |                                                                |                                      |                                                                                |   |             |                |                  |                                                                                                                |                                                  |                                       |
| BOCAS DEL TORO/Bocas del Toro                                                                 | RG&AS       | MPBO                                  | *AEROCIVIL PANAMA, DNA, SIA, Balboa, Ancon                     | MPLBYOYX                             | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                       |
| CHANGUINOLA/Cap. Manuel Niño                                                                  | RG&AS       | MPCH                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                       |
| DAVID/Enrique Malek                                                                           | RS          | MPDA                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                       |
| PANAMA/Marcos A. Gelabert                                                                     | RG&AS       | MPMG                                  |                                                                |                                      | X                                                                              | X |             | P2             |                  |                                                                                                                | X                                                |                                       |
| PANAMA/Tocumen Intl                                                                           | RS          | MPTO                                  |                                                                |                                      | X                                                                              | X | X           | P3             |                  | K,M,S                                                                                                          | X                                                |                                       |

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| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |
| <b>PARAGUAY</b>                                                                               |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| ASUNCION/Silvio Pettirossi                                                                    | RS          | SGAS                                     | *AEROCIVIL ASUNCION,SIA<br>Asuncion                            | SGASYAYX                                | X                                                                              | X | X           | P3             |                  | G,K,L,M,S,T                                                                                   | X                                                |                                       |
| CIUDAD DEL ESTE/Guaraní                                                                       | RS          | SGES                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | G,K,L,M,S,T                                                                                   | X                                                |                                       |
| <b>PERU</b>                                                                                   |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| AREQUIPA/Rodríguez Ballón Intl                                                                | AS          | SPQU                                     | *CORPAC LIMA, DIA, Lima                                        | SPIMYGYX                                | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| CHICLAYO/Cap. José Quiñones González                                                          | AS          | SPHI                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,M,S,T                                                                                       | X                                                |                                       |
| CUSCO/Velazco Astete                                                                          | RS          | SPZO                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,M,S                                                                                         | X                                                |                                       |
| IQUITOS/Crnel. FAP Francisco Secada Vignetta                                                  | RS          | SPQT                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,M,S,T                                                                                       | X                                                |                                       |
| LIMA-CALLAO/Jorge Chávez Intl                                                                 | RS          | SPIM                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,F,K,L,M,S,T                                                                                 | X                                                |                                       |
| PISCO/Pisco                                                                                   | AS          | SPSO                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| TACNA/Crnel. FAP Carlos Ciriani Santa Rosa                                                    | RG          | SPTN                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| TRUJILLO/Capitán Carlos Martínez de Pinillos                                                  | AS          | SPIM                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| <b>PUERTO RICO<br/>(United States)</b>                                                        |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| AGUADILLA/Rafael Hernandez Intl                                                               | RS          | TJBQ                                     | *ACIVAIR WASHINGTON<br>DC,FAA Washington                       | KDCAYAYX                                | X                                                                              | X |             | P2             |                  | K,M                                                                                           | X                                                |                                       |
| FAJARDO/Diego Jiménez Torres                                                                  | RS          | TJFA                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| PONCE/Ponce-Mercedita                                                                         | AS          | TJPS                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | M                                                                                             | X                                                |                                       |
| SAN JUAN/Luis Muñoz Marín Intl                                                                | RS          | TJSJ                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | E,K,L,M,S,T                                                                                   | X                                                |                                       |
| VIEQUES/Antonio Rivera                                                                        | RS          | TJVQ                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| <b>SAINT KITTS AND NEVIS</b>                                                                  |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| BASSETERRE/Robert L. Bradshaw, Saint Kitts I.                                                 | RS          | TKPK                                     | *CIVILAIR ANTIGUA, OECS,<br>St. John's, Antigua and Barbuda    | TAPAYAYX                                | X                                                                              | X |             | P2             |                  | T                                                                                             | X                                                |                                       |
| CHARLESTON/Newcastle, Nevis I.                                                                | RS          | TKPN                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | T                                                                                             | X                                                |                                       |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |             |                                          | Responsible AIS Office<br>French text<br>Oficina AIS encargada |                                         | AIS information to be provided<br>French text<br>Informacion AIS a suministrar |   |             |                |                  | Area of coverage by AFTN<br>routing areas<br>French text<br>Zona de cobertura por areas de encaminamiento<br>AFTN | Post Flight Report<br>Informe posterior al vuelo | Remarks<br>Remarques<br>Observaciones |   |   |   |    |  |             |   |
|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---|-------------|----------------|------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|---|---|---|----|--|-------------|---|
|                                                                                               |             |                                          |                                                                |                                         | AIP+                                                                           |   | PIB         |                |                  |                                                                                                                   |                                                  |                                       |   |   |   |    |  |             |   |
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                                                   |                                                  |                                       |   |   |   |    |  |             |   |
| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                                                 | 8                                                | 9                                     |   |   |   |    |  |             |   |
| <b>SAINT LUCIA</b><br>CASTRIES/Vigie                                                          | RS          | TLPC                                     | *CIVILAIR ANTIGUA, OECS,<br>St. John's, Antigua and Barbuda    | TAPAYAYX                                | X                                                                              | X |             | P2             |                  | T                                                                                                                 | X                                                |                                       |   |   |   |    |  |             |   |
| VIEUX-FORT/Hewanorra Intl                                                                     | RS          | TLPL                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,E,K,S,T                                                                                                         | X                                                |                                       |   |   |   |    |  |             |   |
| <b>SAINT VINCENT AND THE GRENADINES</b><br>BEQUIA/J.F. Mitchell                               | RS          | TVSB                                     | *CIVILAIR ANTIGUA, OECS,<br>St. John's, Antigua and Barbuda    | TAPAYAYX                                | X                                                                              | X |             | P2             |                  |                                                                                                                   | X                                                |                                       |   |   |   |    |  |             |   |
| CANOUAN/Canouan                                                                               | RS          | TVSV                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       |   |   |   |    |  |             |   |
| KINGSTOWN/E.T. Joshua                                                                         | RS          | TVSB                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       |   |   |   |    |  |             |   |
| MUSTIQUE/Mustique                                                                             | RNS         | TVSM                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       |   |   |   |    |  |             |   |
| UNION ISLAND/Union Island                                                                     | RS          | TVSU                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       | X | X |   | P2 |  | X           |   |
| <b>SURINAME</b><br>NEW NICKERIE/Maj. Fernandes                                                | AS          | SMNI                                     | *CIVILAIR PARAMARIBO,<br>DCA, AIS, Paramaribo South            | SMBPYNYX                                | X                                                                              | X |             | P2             |                  |                                                                                                                   | X                                                |                                       |   |   |   |    |  |             |   |
| PARAMARIBO/Zorg en Hoop                                                                       | RG          | SMZO                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       | X | X |   | P2 |  | X           |   |
| ZANDERY/Johan Adolfo Pengel Intl                                                              | RS          | SMJP                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       | X | X | X | P3 |  | E,G,L,M,S,T | X |
| <b>TRINIDAD AND TOBAGO</b><br>PORT OF SPAIN/Piarco Intl, Trinidad I.                          | RS          | TTPP                                     | CIVILAV TRINIDAD, CAD, AIS                                     | TTPSYAYX                                | X                                                                              | X | X           | P3             |                  | C,E,K,L,M,S,T                                                                                                     | X                                                |                                       |   |   |   |    |  |             |   |
| SCARBOROUGH/Crown Point, Tobago I.                                                            | RS          | TTCP                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       | X | X |   | P2 |  | T           | X |
| <b>TURKS AND CAICOS ISLANDS (United Kingdom)</b><br>GRAND TURK/Grand Turk Intl                | RS          | MBGT                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | M                                                                                                                 | X                                                |                                       |   |   |   |    |  |             |   |
| PROVIDENCIALES/Providenciales Intl                                                            | RS          | MBPV                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       | X | X |   | P2 |  | X           |   |
| SOUTH CAICOS/South Caicos Intl                                                                | RS          | MBSC                                     |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                                                   |                                                  |                                       | X | X |   | P2 |  | M           | X |

| Aerodrome where service is required<br>French text<br>Aeródromo donde se requiere el servicio |             |                                          | Responsible AIS Office<br>French text<br>Oficina AIS encargada |                                         | AIS information to be provided<br>French text<br>Informacion AIS a suministrar |   |             |                |                  | Area of coverage by AFTN<br>French text<br>Zona de cobertura por areas de encaminamiento AFTN | Post Flight Report<br>Informe posterior al vuelo | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------|-------------|------------------------------------------|----------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---|-------------|----------------|------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------|---------------------------------------|
| Name/<br>Nombre                                                                               | Use/<br>Uso | ICAO<br>loc. ind./<br>Ind. lugar<br>OACI | Name/<br>Nombre                                                | ICA<br>loc. ind./<br>Ind. lugar<br>OACI | L                                                                              | S | F<br>I<br>L | P1<br>P2<br>P3 | P<br>R<br>E<br>P |                                                                                               |                                                  |                                       |
| 1                                                                                             | 2           | 3                                        | 4                                                              | 5                                       | 6                                                                              |   |             |                |                  | 7                                                                                             | 8                                                | 9                                     |
| <b>URUGUAY</b>                                                                                |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| COLONIA/Internacional de Colonia                                                              | RG          | SUCA                                     | DGIA, AIS ,Canelones                                           | SUMUYNXX                                | X                                                                              | X |             | P2             |                  |                                                                                               |                                                  |                                       |
| MALDONADO/ Intl C/C Carlos A. Curbelo, Laguna del Sauce                                       | RS          | SULS                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| MONTEVIDEO/Aeropuerto Angel S. Adami Intl                                                     | RG          | SUAA                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| MONTEVIDEO/Carrasco Intl Gral. Cesáreo L. Berisso                                             | RS          | SUMU                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | S                                                                                             | X                                                |                                       |
| RIVERA/Cerro Chapeu Intl.                                                                     | RS          | SURV                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| SALTO/Nueva Hesperides Intl.                                                                  | RG          | SUSO                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| <b>VENEZUELA</b>                                                                              |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| BARCELONA/Gral. José Antonio Anzátegui Intl                                                   | RNS         | SVBC                                     | *CIVILAIR CARACAS, DAN, DIA                                    | SVCCYOXX                                | X                                                                              | X | X           | P3             |                  | E                                                                                             | X                                                |                                       |
| CARACAS/Simón Bolívar Intl, Maiquetia                                                         | RS          | SVMI                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,E,G,K,L,M,S<br>,T                                                                           | X                                                |                                       |
| MARACAIBO/La Chinita Intl                                                                     | RS          | SVMC                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | K,S                                                                                           | X                                                |                                       |
| MARGARITA/Intl Del Caribe, Gral. Santiago Merino                                              | RS          | SVMG                                     |                                                                |                                         | X                                                                              | X | X           | P3             |                  | C,E,K.L                                                                                       | X                                                |                                       |
| PARAGUANA/Joséfa Camejo Intl                                                                  | RS          | SVJC                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| SAN ANTONIO DEL TACHIRA/San Antonio del Táchira Intl                                          | RS          | SVSA                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| VALENCIA/Zim Valencia Intl                                                                    | RS          | SVVA                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  |                                                                                               | X                                                |                                       |
| <b>VIRGIN ISLANDS (United Kingdom)</b>                                                        |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| ROADTOWN/Beef Island                                                                          | RS          | TUPJ                                     | CIVILAV TRINIDAD, CAD, AIS, Port of Spain, Trinidad and Tobago | TTPSYAYX                                | X                                                                              | X |             | P2             |                  | T                                                                                             |                                                  |                                       |
| VIRGIN GORDA I./Virgin Gorda                                                                  | RS          | TUPW                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | T                                                                                             |                                                  |                                       |
| <b>VIRGIN ISLANDS (United States)</b>                                                         |             |                                          |                                                                |                                         |                                                                                |   |             |                |                  |                                                                                               |                                                  |                                       |
| CHRISTIANSTED/ Henry E. Rohlsen, St. Croix                                                    | RS          | TISX                                     | c.f. United States                                             |                                         | X                                                                              | X | X           | P3             |                  | K,T                                                                                           |                                                  |                                       |
| SAINT THOMAS/Cyril E. King                                                                    | RS          | TIST                                     |                                                                |                                         | X                                                                              | X |             | P2             |                  | T                                                                                             |                                                  |                                       |

# Table AIS 3 — Tableau AIS 3 — Tabla AIS 3

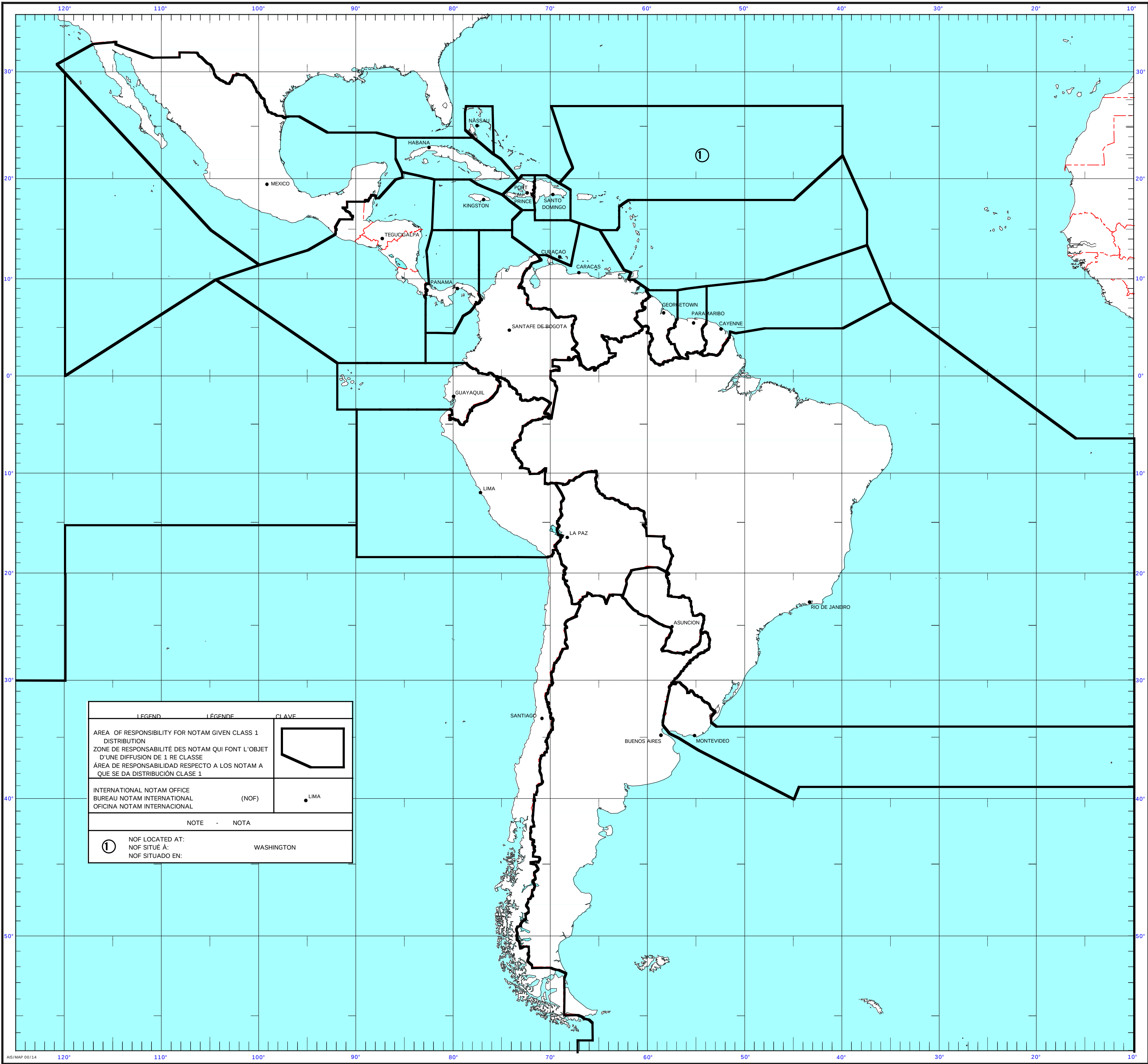
## DESIGNATED INTERNATIONAL NOTAM OFFICES (NOF) IN THE CAR/SAM REGIONS

### FRENCH TEXT

## OFICINAS NOTAM INTERNACIONALES (NOF) DESIGNADAS PARA LAS REGIONES CAR/SAM

| NOF            | Areas of responsibility by FIR<br>French text<br>Zonas de responsabilidad por FIR | Remarks<br>Observaciones                                                                                                 |
|----------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Asunción       | Asunción                                                                          |                                                                                                                          |
| Bogotá         | Barranquilla, Bogotá                                                              |                                                                                                                          |
| Buenos Aires   | Comodoro Rivadavia, Córdoba, Ezeiza, Mendoza, Resistencia                         |                                                                                                                          |
| Caracas        | Maiquetía                                                                         |                                                                                                                          |
| Curaçao        | Curaçao                                                                           |                                                                                                                          |
| Georgetown     | Georgetown                                                                        |                                                                                                                          |
| Guayaquil      | Guayaquil                                                                         |                                                                                                                          |
| Kingston       | Kingston                                                                          |                                                                                                                          |
| La Habana      | La Habana                                                                         |                                                                                                                          |
| La Paz         | La Paz                                                                            |                                                                                                                          |
| Lima           | Lima                                                                              |                                                                                                                          |
| México         | México, Monterrey                                                                 |                                                                                                                          |
| Montevideo     | Montevideo                                                                        |                                                                                                                          |
| Nassau         | Nassau                                                                            |                                                                                                                          |
| Paramaribo     | Paramaribo                                                                        |                                                                                                                          |
| Port-au-Prince | Port-au-Prince                                                                    |                                                                                                                          |
| Port of Spain  | Piarco                                                                            |                                                                                                                          |
| Río de Janeiro | Belém, Brasília, Curitiba, Manaus, Porto Velho, Recife                            | <i>In 2003 FIRs will change into:/En el 2003, las FIRs cambiarán a: Amazónica, Atlántico, Brasília, Curitiba, Recife</i> |
| Rochambeau     | Rochambeau                                                                        |                                                                                                                          |

| NOF           | Areas of responsibility by FIR<br>French text<br>Zonas de responsabilidad por FIR | Remarks<br>Observaciones |
|---------------|-----------------------------------------------------------------------------------|--------------------------|
| Santiago      | Antofagasta, Easter Island, Puerto Montt, Punta Arenas, Santiago                  |                          |
| Santo Domingo | Santo Domingo                                                                     |                          |
| Tegucigalpa   | Central American                                                                  |                          |
| Tocumen       | Panamá                                                                            |                          |
| Washington    | San Juan                                                                          |                          |



**Table AIS 4 — Tableau AIS 4 — Tabla AIS 4**

**AVAILABILITY OF AERONAUTICAL INFORMATION**  
**FRENCH TEXT**  
**DISPONIBILIDAD DE INFORMACIÓN AERONÁUTICA**

*(TO BE DEVELOPED)*  
*FRENCH TEXT*  
*(A SER DESARROLLADA)*

## Table AIS 5 — Tableau AIS 5 — Tabla AIS 5

### WGS-84 REQUIREMENTS FRENCH TEXT REQUISITOS DEL WGS-84

#### EXPLANATION OF THE TABLE

*Column*

- |   |                                                                                                                                                                                                                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Name of the State, territory or aerodrome for which WGS-84 coordinates are required with the designation of the aerodrome use:</p> <p>RS — international scheduled air transport, regular use<br/> RNS — international non-scheduled air transport, regular use<br/> RG — international general aviation, regular use<br/> AS — international scheduled air transport, alternate use</p> |
| 2 | Runway designation numbers                                                                                                                                                                                                                                                                                                                                                                  |
| 3 | <p>Type of each of the runways to be provided. The types of runways, as defined in Annex 14, Volume 1, Chapter I, are:</p> <p>NINST — non-instrument runway;<br/> NPA — non-precision approach runway<br/> PA1 — precision approach runway, Category I;<br/> PA2 — precision approach runway, Category II;<br/> PA3 — precision approach runway, Category III.</p>                          |
| 4 | Requirement for the WGS-84 coordinates for FIR, shown by an “X” against the State or territory to be covered.                                                                                                                                                                                                                                                                               |
| 5 | Requirement for the WGS-84 coordinates for Enroute points, shown by an “X” against the State or territory to be covered.                                                                                                                                                                                                                                                                    |
| 6 | Requirement for the WGS-84 coordinates for the Terminal Area, shown by an “X” against the aerodrome to be covered.                                                                                                                                                                                                                                                                          |
| 7 | Requirement for the WGS-84 coordinates for the Approach points, shown by an “X” against the runway designation to be covered.                                                                                                                                                                                                                                                               |
| 8 | Requirement for the WGS-84 coordinates for runways, shown by an “X” against the runway designation to be covered.                                                                                                                                                                                                                                                                           |
-



- 9 Requirement for the WGS-84 coordinates for Aerodrome/Heliport points (e.g. aerodrome/heliport reference point, taxiway, parking position, etc.), shown by an “X” against the aerodrome to be covered.
- 10 Requirement for geoid undulation shown by an “X” against the runway threshold to be covered.
- 11 Requirement for the WGS-84 Quality System, shown by an “X” against the State or territory to be covered.
- 12 Requirement for publication of WGS-84 coordinates in the AIP shown by an X against the State or territory to be covered.
- 13 Remarks (timetable for implementation).

## EXPLICATION DU TABLEAU

## EXPLICACIÓN DE LA TABLA

*Columna*

- 1 Nombre del Estado, territorio o aeródromo para el que se requieren las coordenadas WGS-84, con la designación relativa a la utilización del aeródromo:  
  
RS — utilizado como aeródromo regular por el transporte aéreo internacional regular  
RNS — utilizado como aeródromo regular por el transporte aéreo internacional no regular  
RG — utilizado como aeródromo regular por la aviación general internacional  
AS — utilizado como aeródromo de alternativa por el transporte aéreo internacional regular
- 2 Números de designación de pista
- 3 Tipo de cada una de las pistas que han de suministrarse. Los tipos de pista, según se definen en el Anexo 14, Volumen I, Capítulo 1, son:  
  
NINST — pista de vuelo visual,  
NPA — pista para aproximaciones que no sean de precisión,  
PA1 — pista para aproximaciones de precisión, Categoría I,  
PA2 — pista para aproximaciones de precisión, Categoría II;  
PA3 — pista para aproximaciones de precisión, Categoría III.
- 4 Requisito de proporcionar las coordenadas WGS-84 de las FIR, indicando mediante una “X” frente al Estado o territorio que corresponda.
- 5 Requisito de proporcionar las coordenadas WGS-84 de los puntos en ruta, indicando mediante una “X” frente al aeródromo que corresponda.
- 6 Requisito de proporcionar las coordenadas WGS-84 del área terminal , indicado mediante una “X” frente al aeródromo que corresponda.
- 7 Requisitos de proporcionar las coordenadas WGS-84 de los puntos de aproximación, indicando mediante una “X” frente a la designación de pista que corresponda.
- 8 Requisito de proporcionar las coordenadas WGS-84 de las pistas, indicado mediante una “X” frente a la designación de pista que corresponda.

- 9      Requisito de proporcionar las coordenadas WGS-84 de los puntos del aeródromo/helipuerto (p. Ej., puntos de referencia del aeródromo/helipuerto, calle de rodaje, puestos de estacionamiento, etc.) indicado mediante una “X” frente al aeródromo que corresponda.
  - 10     Requisito para una ondulación geoidal indicado mediante una “X” frente al umbral de la pista que corresponda
  - 11     Requisito de proporcionar el sistema de calidad WGS-84, indicado mediante una “X” frente al Estado o territorio que corresponda.
  - 12     Requisito de publicar las coordenadas WGS-84 en la AIP, indicado mediante una “X” frente al Estado o territorio que corresponda.
  - 13     Observaciones (calendario de implantación)
-



| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| <b>ANGUILLA<br/>(United Kingdom)</b><br>TQPF THE VALLEY/Wallblake,<br>Anguilla I.<br>RS                                                       | 10<br>28                                     | NPA<br>NINST                                      | X                                                  | X   | X                 | X<br>X | X<br>X | X          | X      | X                                                            | X   |                                       |
| <b>ANTIGUA AND BARBUDA</b><br>TAPA SAINT JOHNS/V.C. Bird,<br>Antigua I.<br>RS                                                                 | 07<br>25                                     | PA1<br>NPA                                        | X                                                  | X   | X                 | X<br>X | X<br>X | X          | X<br>X | X                                                            | X   |                                       |
| <b>ARGENTINA</b><br>SABE BUENOS AIRES/Aeroparque<br>Jorge Newberry<br>RS                                                                      | 13<br>31                                     | PA1<br>NINST                                      | X                                                  | X   | X                 | X<br>X | X<br>X | X          | X      | X                                                            | X   |                                       |
| SADD BUENOS AIRES/Don Torcuato<br>RG                                                                                                          | 16<br>34                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| SAEZ BUENOS AIRES/Ezeiza Ministro<br>Pistarini<br>RS                                                                                          | 11<br>29                                     | PA3<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 17<br>35                                     | NINST<br>PA1                                      |                                                    |     |                   | X<br>X | X<br>X |            | X      |                                                              |     |                                       |
| SADF BUENOS AIRES/San Fernando<br>RG                                                                                                          | 05<br>23                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SARI CATARATAS DEL<br>IGUAZU/Cataratas del Iguazú<br>RNS & AS                                                                                 | 13<br>31                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SAVC COMODORO RIVADAVIA/<br>General Mosconi<br>RS                                                                                             | 07<br>25                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SACO CORDOBA/Ing. Aer. A.L.<br>Taravella<br>RS                                                                                                | 18<br>36                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SARF FORMOSA/Formosa<br>RG                                                                                                                    | 03<br>21                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SASJ JUJUY/Gobernador Guzmán<br>RS                                                                                                            | 15<br>33                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aerodromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| SAZM MAR DEL PLATA/Bgdier. Gral.<br>B. de al Colina<br>RG & AS                                                                                | 13<br>31                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SAME MENDOZA/EI Plumerillo<br>RS                                                                                                              | 18<br>36                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SAZN NEUQUEN/Presidente Perón<br>RNS & AS                                                                                                     | 08<br>26                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SARP POSADAS/Posadas<br>RNS                                                                                                                   | 01<br>19                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SARE RESISTENCIA/Resistencia<br>RNS & AS                                                                                                      | 03<br>21                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SAWG RIO GALLEGOS/Piloto Civil N.<br>Fernández<br>RS                                                                                          | 07<br>25                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SAWE RIO GRANDE/Rio Grande<br>RNS& AS                                                                                                         | 07<br>25                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SAAR ROSARIO/Rosario<br>RS                                                                                                                    | 01<br>19                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SASA SALTA/Salta<br>RS                                                                                                                        | 01<br>19                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SAZS SAN CARLOS DE<br>BARILOCHE/San Carlos de<br>Bariloche<br>RNS & AS                                                                        | 11<br>29                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SANT TUCUMAN/Tte. Benjamín<br>Matienzo<br>RS                                                                                                  | 01<br>19                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SAWH USHUAIA/Malvinas Argentinas<br>RNS & AS                                                                                                  | 07<br>25                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  |                                       |
| <b>ARUBA (Netherlands)</b><br>TNCA ORANJESTAD/Reina Beatrix,<br>Aruba I.<br>RS                                                                | 11<br>29                                     | PA1<br>NPA                                        | X                                                  | X   | X                 | X<br>X | X<br>X | X          | X<br>X | X                                                            | X   |                                       |
| <b>BAHAMAS</b><br>MYBS ALICE TOWN/South Bimini,<br>Bimini I.<br>RS                                                                            | 09<br>27                                     | NINST<br>NINST                                    | X                                                  | X   |                   |        |        | X          |        | X                                                            | X   |                                       |
| MYSM COCKBURN TOWN/<br>San Salvador I.<br>RS                                                                                                  | 10<br>28                                     |                                                   |                                                    |     |                   |        |        |            |        |                                                              |     |                                       |
| MYGF FREEPORT/Freeport Intl, Grand<br>Bahama I.<br>RS                                                                                         | 06<br>24                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MYEG GEORGE TOWN/George Town,<br>Exuma I.<br>RS                                                                                               | 12<br>30                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MYEM GOVERNOR'S HARBOUR/<br>Governor's Harbour, Eleuthera I.<br>RS                                                                            | 15<br>33                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MYAM MARSH HARBOUR/Marsh<br>Harbour, Abaco I.<br>RS                                                                                           | 09<br>27                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MYNN NASSAU/Nassau Intl, New<br>Providence I.<br>RS                                                                                           | 14<br>32                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 09<br>27                                     | NPA<br>NINST                                      |                                                    |     |                   | X<br>X | X<br>X |            | X      |                                                              |     |                                       |
| MYEH NORTH ELEUTHERA/ North<br>Eleuthera, Eleuthera I.<br>RS                                                                                  | 07<br>25                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MYLS STELLA MARIS/Long Island I.<br>RS                                                                                                        | 14<br>32                                     |                                                   |                                                    |     |                   |        |        |            |        |                                                              |     |                                       |
| MYAT TREASURE CAY/Treasure Cay,<br>Abaco I.<br>RS                                                                                             | 14<br>32                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MYGW WEST END/West End, Grand<br>Bahama I.<br>RNS & AS                                                                                        | 11<br>29                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  |                                       |
| <b>BARBADOS</b>                                                                                                                               |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TBPB BRIDGETOWN/Grantley Adams<br>Intl<br>RS                                                                                                  | 09<br>27                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>BELIZE</b>                                                                                                                                 |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MZBZ BELIZE/Philip S.W. Goldson Intl<br>RS                                                                                                    | 07<br>25                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>BOLIVIA</b>                                                                                                                                |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SLCB COCHABAMBA/Jorge<br>Wilsterman<br>AS                                                                                                     | 13<br>31                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SLLP LA PAZ/EI Alto<br>RS                                                                                                                     | 10<br>28                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SLVR SANTA CRUZ/Viru Viru<br>RS                                                                                                               | 15<br>33                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SLTJ TARIJA/Oriel Lea Plaza<br>RNS & AS                                                                                                       | 13<br>31                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SLTR TRINIDAD/Tte. Av. Jorge<br>Henrich Arauz<br>AS                                                                                           | 14<br>32                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>BRAZIL</b>                                                                                                                                 |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SBBE BELEM/Val de Caes<br>RS                                                                                                                  | 06<br>24                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBCF BELO HORIZONTE/ Tancredo<br>Neves<br>RS                                                                                                  | 16<br>34                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBBV BOA VISTA/Boa Vista Intl.<br>RS                                                                                                          | 08<br>26                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBBR BRASILIA/Brasilia Intl.<br>RS                                                                                                            | 11<br>29                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBKP CAMPINAS/Viracopos<br>RS                                                                                                                 | 15<br>33                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| SBCG CAMPO GRANDE/Campo Grande Intl<br>RS                                                                                                     | 06<br>24                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBCR CORUMBÁ/Corumbá Intl.<br>RS                                                                                                              | 09<br>27                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBCZ CRUZEIRO DO SUL/Cruzeiro do Sul Intl.<br>RS                                                                                              | 10<br>28                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBCY CUIABA/Marechal Rondon<br>RS                                                                                                             | 17<br>35                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBCT CURITIBA/Afonso Pena<br>RS                                                                                                               | 15<br>33                                     | PA3<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBFL FLORIANOPOLIS/Hercílio Luz<br>Intl<br>RS                                                                                                 | 14<br>32                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBFZ FORTALEZA/Pinto Martins<br>RS                                                                                                            | 13<br>31                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBFI FOZ DO IGUAÇU/Cataratas<br>RS                                                                                                            | 14<br>32                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SBMQ MACAPÁ/Macapá Intl<br>RS                                                                                                                 | 08<br>26                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBEG MANAUS/Eduardo Gomes<br>RS                                                                                                               | 10<br>28                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBNT NATAL/Augusto Severo<br>AS                                                                                                               | 16L<br>34R                                   | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBPP PONTA PORÁ/Ponta Porá Intl.<br>RS                                                                                                        | 03<br>31                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBPA PORTO ALEGRE/Salgado Filho<br>RS                                                                                                         | 11<br>29                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| SBRF RECIFE/Guararapes<br>RS                                                                                                                  | 18<br>36                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBGL RIO DE JANEIRO/Galeao,<br>Antonio Carlos Jobim Intl<br>RS                                                                                | 10<br>28                                     | PA2<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 15<br>33                                     | PA1<br>NINST                                      |                                                    |     |                   | X<br>X | X<br>X |            | X      |                                                              |     |                                       |
| SBSV SALVADOR/Deputado Luis<br>Eduardo Magalhaes<br>RS                                                                                        | 10<br>28                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBSN SANTAREM/Santarém Intl<br>AS                                                                                                             | 10<br>28                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBSL SAO LUIS/Marechal Cunha<br>Machado<br>AS                                                                                                 | 06<br>24                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBGR SAO PAULO/Guarulhos Intl<br>RS                                                                                                           | 09R<br>27L                                   | PA2<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 09L<br>27R                                   | PA1<br>NPA                                        |                                                    |     |                   | X<br>X | X<br>X |            | X<br>X |                                                              |     |                                       |
| SBTT TABATINGA/Tabatinga Intl.<br>RS                                                                                                          | 12<br>30                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SBEG URUGUAIANA/Rubens Berta<br>RS                                                                                                            | 09<br>27                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>CAYMAN ISLANDS</b><br><b>(United Kingdom)</b>                                                                                              |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MWCB CAYMAN BRAC/Gerrard Smith<br>Intl<br>RS                                                                                                  | 09<br>27                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MWCR GEORGETOWN/Owen Roberts<br>Intl<br>RS                                                                                                    | 08<br>26                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>CHILE</b>                                                                                                                                  |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SCFA ANTOFAGASTA/Cerro Moreno<br>AS                                                                                                           | 19<br>01                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |                      |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|----------------------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aerodromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND                 | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10                   | 11                                                           | 12  |                                       |
| SCAR ARICA/Chacalluta<br>RS                                                                                                                   | 02<br>20                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X                    |                                                              |     |                                       |
| SCIE CONCEPCION/Carriel Sur<br>RS                                                                                                             | 02<br>20                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X               |                                                              |     |                                       |
| SCDA IQUIQUE/Gral. Diego Aracena<br>Intl<br>RS                                                                                                | 18<br>36                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X                    |                                                              |     |                                       |
| SCTE PUERTO MONTT/El Tepual<br>RS                                                                                                             | 17<br>35                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X               |                                                              |     |                                       |
| SCCI PUNTA ARENAS/Pdte. C.<br>Ibañez del Campo<br>AS                                                                                          | 07<br>25<br><br>12<br>30                     | NPA<br>PA1<br><br>NPA<br>NPA                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X<br><br>X<br>X |                                                              |     |                                       |
| SCEL SANTIAGO/Arturo Merino<br>Beñítez<br>RS                                                                                                  | 17<br>35                                     | PA3<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X               |                                                              |     |                                       |
| SCTC TEMUCO/Manquehue<br>RS                                                                                                                   | 06<br>24                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X               |                                                              |     |                                       |
| COLOMBIA                                                                                                                                      |                                              |                                                   | X                                                  | X   |                   |        |        |            |                      | X                                                            | X   |                                       |
| SKBQ BARRANQUILLA/Ernesto<br>Cortissoz<br>RS                                                                                                  | 04<br>22                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X                    |                                                              |     |                                       |
| SKCL CALI/Alfonso Bonilla Aragón<br>RS                                                                                                        | 01<br>19                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X               |                                                              |     |                                       |
| SKCG CARTAGENA/Rafael Nuñez<br>RS                                                                                                             | 18<br>36                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X                    |                                                              |     |                                       |
| SKCC CUCUTA/Camilo Daza<br>RNS & AS                                                                                                           | 15<br>33<br><br>02<br>20                     | PA1<br>NINST<br><br>NINST<br>NINST                |                                                    |     | X                 | X<br>X | X<br>X | X          | X                    |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| SKLT LETICIA/Alfredo Vásquez Cobo<br>RNS & AS                                                                                                 | 02<br>20                                     | NPA<br>NPA                                        |                                                    |     |                   | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SKRG RIONEGRO/José María<br>Córdoba<br>RS                                                                                                     | 18<br>36                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SKSP SAN ANDRES I./<br>Sesquicentenario<br>RS                                                                                                 | 06<br>24                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SKBO SANTAFE DE BOGOTA/<br>Eldorado<br>RS                                                                                                     | 13L<br>31R                                   | PA2<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| 13R<br>31L                                                                                                                                    | PA2<br>NINST                                 |                                                   |                                                    |     |                   | X<br>X | X<br>X |            | X      |                                                              |     |                                       |
| <b>COSTA RICA</b>                                                                                                                             |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MROC ALAJUELA/Juan Santamaría Intl<br>RS                                                                                                      | 07<br>25                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MRLB LIBERIA/Daniel Oduber Quirós<br>RNS                                                                                                      | 07<br>25                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MRLM LIMON/Limón Intl<br>RG                                                                                                                   | 14<br>32                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MRPV PAVAS/Tobías Bolanos Intl<br>RG                                                                                                          | 09<br>27                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>CUBA</b>                                                                                                                                   |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MUCM CAMAGUEY/Ignacio Agramonte<br>RS                                                                                                         | 07<br>25                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MUCL CAYO LARGO DEL SUR/Vilo<br>Acuña<br>RS                                                                                                   | 12<br>30                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MUCA CIEGO DE AVILA/Máximo<br>Gómez<br>RS                                                                                                     | 07<br>25                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MUHA HABANA/José Martí Intl<br>RS                                                                                                             | 06<br>24                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>text<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  |                                       |
| MUHG HOLGUIN/Frank País<br>RS                                                                                                                 | 05<br>23                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MUCU SANTIAGO DE CUBA/ Antonio<br>Maceo<br>RS                                                                                                 | 09<br>27                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MUVR VARADERO/Juan Gualberto<br>Gómez<br>RS                                                                                                   | 06<br>24                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>DOMINICA</b><br>TDPD MELVILLE HALL/Dominica<br>RS                                                                                          | 09<br>27                                     | NINST<br>NINST                                    | X                                                  | X   |                   |        |        | X          |        | X                                                            | X   |                                       |
| TDPR ROSEAU/Canefield<br>RS                                                                                                                   | 01<br>19                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>DOMINICAN REPUBLIC</b><br>MDBH BARAHONA/Arpto. Internacional<br>María Montes<br>RS                                                         | 12<br>30                                     | NPA<br>NPA                                        | X                                                  | X   | X                 | X<br>X | X<br>X | X          | X<br>X | X                                                            | X   |                                       |
| MDHE HERRERA/Arpto. Internacional<br>de Herrera<br>RS                                                                                         | 01<br>19                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MDLR LA ROMANA/La Romana Intl<br>RS                                                                                                           | 12<br>30                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MDPP PUERTO PLATA/Gregorio<br>Luperón Intl<br>RS                                                                                              | 08<br>26                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MDPC PUNTA CANA/Punta Cana Intl<br>RS                                                                                                         | 09<br>27                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MDST SANTIAGO/Cibao<br>RS                                                                                                                     | 12<br>30                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MDSD SANTO DOMINGO/De Las<br>Américas Intl<br>RS                                                                                              | 17<br>35                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aerodromo/Us                                                                                                     | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| <b>ECUADOR</b>                                                                                                                                |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SEGU GUAYAQUIL/Simón Bolívar<br>RS                                                                                                            | 03<br>21                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SELT LATACUNGA/Cotopaxi<br>RNS & AS                                                                                                           | 18<br>36                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SEMT MANTA/Eloy Alfaro<br>RS                                                                                                                  | 05<br>23                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SEQU QUITO/Mariscal Sucre<br>RS                                                                                                               | 17<br>35                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>EL SALVADOR</b>                                                                                                                            |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MSLP SAN SALVADOR/EI Salvador<br>Intl<br>RS                                                                                                   | 07<br>25                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MSSS SAN SALVADOR/Ilopango Intl<br>RG                                                                                                         | 15<br>33                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>FRENCH ANTILLES (France)</b>                                                                                                               |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TFFF FORT DE FRANCE/Le<br>Lamentin, Martinique<br>RS                                                                                          | 09<br>27                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| TFFR POINTE A PITRE/Le Raizet,<br>Guadeloupe<br>RS                                                                                            | 11<br>29                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| TFFJ SAINT BARTHELEMY/ Saint<br>Barthelemy, Guadeloupe<br>RS                                                                                  | 10<br>28                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| TFFG SAINT MARTIN/Grand Case,<br>Guadeloupe<br>RS                                                                                             | 12<br>30                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>FRENCH GUIANA (France)</b>                                                                                                                 |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SOCA CAYENNE/Rochambeau<br>RS                                                                                                                 | 08<br>26                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>GRENADA</b>                                                                                                                                |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TGPZ LAURISTON/Carriacou I.<br>RS                                                                                                             | 09<br>27                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| TGPY SAINT GEORGES/Pointe<br>Salines<br>RS                                                                                                    | 10<br>28                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>GUATEMALA</b>                                                                                                                              |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MGFL FLORES/Flores Intl<br>RS                                                                                                                 | 10<br>28                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MGGT GUATEMALA/La Aurora<br>RS                                                                                                                | 01<br>19                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MGPB PUERTO BARRIOS/Puerto<br>Barrios<br>RG & AS                                                                                              | 12<br>30                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MGSJ SAN JOSE/San José<br>RG & AS                                                                                                             | 15<br>33                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>GUYANA</b>                                                                                                                                 |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SYCJ TIMEHRI/Cheddi Jagan Intl<br>RS                                                                                                          | 06<br>24                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>HAITI</b>                                                                                                                                  |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MTCH CAP HAITIEN/Cap Haitien Intl<br>RS                                                                                                       | 05<br>23                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MTPP PORT-AU-PRINCE/Port-au-<br>Prince Intl<br>RS                                                                                             | 09<br>27                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>HONDURAS</b>                                                                                                                               |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MHLC LA CEIBA/Goloson Intl<br>RS                                                                                                              | 06<br>24                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MHRO ROATAN/Coxen Hole, Juan<br>Manuel Gálvez Intl. Roatán I.<br>RS                                                                           | 06<br>24                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MHLM SAN PEDRO SULA/La Mesa Intl<br>RS                                                                                                        | 03<br>21                                     | NINST<br>PA1                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MHTG TEGUCIGALPA/Toncontin Intl<br>RS                                                                                                         | 01<br>19                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| <b>JAMAICA</b>                                                                                                                                |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MKJP KINGSTON/Norman Manley Intl<br>RS                                                                                                        | 12<br>30                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MKJS MONTEGO BAY/Sangster Intl<br>RS                                                                                                          | 07<br>25                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>MEXICO</b>                                                                                                                                 |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MMAA ACAPULCO/Gral. Juan N.<br>Alvarez Intl<br>RS                                                                                             | 10<br>28                                     | PA1<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMBT BAHIAS DE HUATULCO/<br>Bahias de Huatulco<br>RNS & AS                                                                                    | 07<br>25                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMCP CAMPECHE/Ing. Alberto Acuña<br>Ongay<br>RG                                                                                               | 16<br>34                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMUN CANCUN/Cancún Intl<br>RS                                                                                                                 | 12<br>30                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMCM CHETUMAL/Chetumal Intl<br>RS                                                                                                             | 10<br>28                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMCU CHIHUAHUA/Gral. Roberto<br>Fierro Villalobos Intl<br>RS                                                                                  | 18L<br>36R                                   | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMMC CIUDAD ACUÑA/Cuidad Acuña<br>Intl<br>RG                                                                                                  | 13<br>31                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MMCS CIUDAD JUAREZ/Abraham<br>Gonzalez Intl<br>RG & AS                                                                                        | 03<br>21                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMCZ COZUMEL/Cozumel Intl<br>RS                                                                                                               | 11<br>29                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMCL CULIACAN/Fidel Bachigualato<br>RS                                                                                                        | 02<br>20                                     | NPA<br>NPA                                        |                                                    |     |                   | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| MMDO DURANGO/Pte. Guadalupe<br>Vitoria Intl<br>RS                                                                                             | 03<br>21                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMGL GUADALAJARA/Miguel Hidalgo<br>Y Costilla Intl<br>RS                                                                                      | 10<br>28                                     | PA1<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMGM GUAYMAS/Gral. José María<br>Yañez Intl<br>RS                                                                                             | 02<br>20                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MMHO HERMOSILLO/Gral. I. Pesqueira<br>García Intl<br>RS                                                                                       | 05<br>23                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMZH IXTAPA-ZIHUATANEJO/ Ixtapa-<br>Zihuantanejo Intl<br>RS                                                                                   | 08<br>26                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMLP LA PAZ/Gral. Manuel Márquez<br>de León Intl<br>RS                                                                                        | 18<br>36                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMLO LEON/Guanajuato<br>RS                                                                                                                    | 13<br>31                                     | NPA<br>NPA                                        |                                                    |     |                   | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMLT LORETO/Loreto Intl<br>RS                                                                                                                 | 16<br>34                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MMZO MANZANILLO/Playa de Oro Intl<br>RS                                                                                                       | 10<br>28                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MMMA MATAMOROS/Matamoros Intl<br>RG & AS                                                                                                      | 15<br>33                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMMZ MAZATLAN/Gral. Rafael Buelna<br>Intl<br>RS                                                                                               | 08<br>26                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMMD MERIDA/Lic. Manuel Crescencio<br>Rejon Intl<br>RS                                                                                        | 10<br>28                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMML MEXICALI/Gral. Rodolfo<br>Sánchez Taboada Intl<br>RG                                                                                     | 10<br>28                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| MMMX MEXICO/Lic. Benito Juárez Intl<br>RS                                                                                                     | 05R<br>23L                                   | PA1<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 05L<br>23R                                   | NPA<br>NPA                                        |                                                    |     |                   | X<br>X | X<br>X |            | X<br>X |                                                              |     |                                       |
| MMAN MONTERREY/Del Norte Intl<br>RG & AS                                                                                                      | 02<br>20                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MMMY MONTERREY/Gral. Mariano<br>Escobedo Intl<br>RS                                                                                           | 11<br>29                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMMM MORELIA/Gral. Francisco J.<br>Mujica Intl<br>RS                                                                                          | 05<br>23                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMNG NOGALES/Nogales Intl<br>RG                                                                                                               | 16<br>34                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MMNL NUEVO LAREDO/ Quetzalcoatl<br>Intl<br>RG                                                                                                 | 14<br>32                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMPG PIEDRAS NEGRAS/Piedras<br>Negras Intl<br>RG                                                                                              | 12<br>30                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MMPR PUERTO VALLARTA/Lic.<br>Gustavo Diaz Ordaz Intl<br>RS                                                                                    | 42<br>02                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MMRX REYNOSA/Gral. Lucio Blanco<br>Intl<br>RG                                                                                                 | 13<br>31                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MMSF SAN FELIPE/San Felipe Intl<br>RG                                                                                                         | 14<br>32                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MMSD SAN JOSE DEL CABO/San<br>José del Cabo Intl<br>RS                                                                                        | 16<br>34                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMTM TAMPICO/Gral. Francisco Javier<br>Mina Intl<br>RS                                                                                        | 13<br>31                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>text<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| MMTP TAPACHULA/Tapachula Intl<br>RNS                                                                                                          | 05<br>23                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMTJ TIJUANA/Gral. Abelardo L.<br>Rodríguez Intl<br>RS                                                                                        | 09<br>27                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMTO TOLUCA/Lic. Adolfo López<br>Mateos<br>RNS                                                                                                | 15<br>33                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMTC TORREON/Torreón Intl<br>RS                                                                                                               | 12<br>30                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMVR VERACRUZ/Gral. Heiberto Jara<br>Intl<br>RS                                                                                               | 18<br>36                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMVA VILLAHERMOSA/C.P.A. Carlos<br>Rovirosa Intl<br>RS                                                                                        | 08<br>26                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MMZC ZACATECAS/Gral. Leobardo C.<br>Ruiz Intl<br>RS                                                                                           | 02<br>20                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>MONTERRAT<br/>(United Kingdom)</b>                                                                                                         |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TRPM PLYMOUTH/W.H. Bramble,<br>Montserrat I.<br>RS                                                                                            | 15<br>33                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>NETHERLANDS ANTILLES<br/>(Netherlands)</b>                                                                                                 |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TNCB KRALENDIJK/Flamingo, Bonaire<br>I.<br>RS                                                                                                 | 10<br>28                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TNCE ORANJESTAD/F.D. Roosevelt,<br>Saint Eustatius I.<br>RS                                                                                   | 06<br>24                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| TNCM PHILIPSBURG/Princess Juliana,<br>St. Maarten I.<br>RS                                                                                    | 09<br>27                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TNCC WILLEMSTAD/Hato, Curaçao I.<br>RS                                                                                                        | 11<br>29                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| <b>NICARAGUA</b>                                                                                                                              |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MNMG MANAGUA/Augusto César<br>Sandino Intl<br>RS                                                                                              | 09<br>27                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MNPC PUERTO CABEZAS/Puerto<br>Cabezas<br>AS                                                                                                   | 08<br>26                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>PANAMA</b>                                                                                                                                 |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MPBO BOCAS DEL TORO/Bocas del<br>Toro<br>RG & AS                                                                                              | 08<br>26                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| MPCH CHANGUINOLA/Cap. Manuel<br>Niño<br>RG & AS                                                                                               | 03<br>21                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MPDA DAVID/Enrique Malek<br>RS                                                                                                                | 04<br>22                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MPMG PANAMA/Marcos A. Gelabert<br>RG & AS                                                                                                     | 18<br>36                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| MPTO PANAMA/Tocumen Intl<br>RS                                                                                                                | 03R<br>21L                                   | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 03L<br>21R                                   | NPA<br>NINST                                      |                                                    |     |                   | X<br>X | X<br>X |            | X      |                                                              |     |                                       |
| <b>PARAGUAY</b>                                                                                                                               |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SGAS ASUNCION/Silvio Pettirossi<br>RS                                                                                                         | 02<br>20                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SGES CIUDAD DEL ESTE/ Guaraní<br>RS                                                                                                           | 05<br>23                                     | NPA<br>PA1                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>PERU</b>                                                                                                                                   |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SPQU AREQUIPA/Rodríguez Ballón<br>Intl<br>AS                                                                                                  | 09<br>27                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SPHI CHICLAYO/Cap. José Quinoñes<br>Gonzalez<br>AS                                                                                            | 18<br>36                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Usó                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| SPZO CUZCO/Velazco Astete<br>RS                                                                                                               | 09<br>27                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SPQT IQUITOS/Crnel. FAP Francisco<br>Secada Vignetta<br>RS                                                                                    | 06<br>24                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SPIM LIMA-CALLAO/Jorge Chávez<br>Intl<br>RS                                                                                                   | 15<br>33                                     | PA2<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SPSO PISCO/Pisco<br>AS                                                                                                                        | 03<br>21                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SPTN TACNA/Crnel. FAP Carlos<br>Ciriani Santa Rosa<br>RG                                                                                      | 02<br>20                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SPRU TRUJILLO/Cap. Carlos Martínez<br>de Pinillos<br>AS                                                                                       | 01<br>19                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>PUERTO RICO<br/>(United States)</b>                                                                                                        |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TJBQ AGUADILLA/Rafael Hernandez<br>Intl<br>RS                                                                                                 | 08<br>26                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TJFA FAJARDO/Diego Jiménez<br>Torres<br>RS                                                                                                    |                                              | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| TJPS PONCE/Ponce-Mercedita<br>AS                                                                                                              | 12<br>30                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TJSJ SAN JUAN/Luis Muñoz Marín<br>Intl<br>RS                                                                                                  | 08<br>26                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 10<br>28                                     | PA1<br>NINST                                      |                                                    |     |                   | X<br>X | X<br>X |            | X      |                                                              |     |                                       |
| TJVQ VIEQUES/Antonio Rivera<br>RS                                                                                                             | 06<br>27                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Us                                                                                                     | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| <b>SAINT KITTS AND NEVIS</b>                                                                                                                  |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TKPK BASSETERRE/Robert L.<br>Bradshaw, Saint Kitts I.<br>RS                                                                                   | 07<br>25                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TKPN CHARLESTOWN/Newcastle<br>Nevis I.<br>RS                                                                                                  | 10<br>28                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>SAINT LUCIA</b>                                                                                                                            |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TLPC CASTRIES/Vigie<br>RS                                                                                                                     | 09<br>27                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| TLPL VIEUX-FORT/Hewanorra Intl<br>RS                                                                                                          | 10<br>28                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>SAINT VINCENT AND THE<br/>GRENADINES</b>                                                                                                   |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TVSB BEQUIA/F. Mitchell<br>RS                                                                                                                 | 12<br>30                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TVSC CANOUAN/Canouan                                                                                                                          | 13<br>31                                     | NPA<br>NISNT                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TVSV KINGSTOWN/E.T. Joshua<br>RS                                                                                                              | 07<br>25                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TVSM MUSTIQUE/Mustique<br>RNS                                                                                                                 | 09<br>27                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| TVSU UNION ISLAND/Union Island<br>RS                                                                                                          | 08<br>26                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>SURINAME</b>                                                                                                                               |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SMNI NEW NICKERIE/Maj. Fernandes<br>AS                                                                                                        | 08<br>26                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| SMZO PARAMARIBO/Zorg en Hoop<br>RG                                                                                                            | 11<br>29                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| SMJP ZANDERY/Johan Adolf Pengel<br>Intl<br>RS                                                                                                 | 11<br>29                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>text<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| <b>TRINIDAD AND TOBAGO</b>                                                                                                                    |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TTPP PORT OF SPAIN/Piarco Intl,<br>Trinidad I.<br>RS                                                                                          | 10<br>28                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TTCP SCARBOROUGH/Crown Point,<br>Tobago I.<br>RS                                                                                              | 11<br>29                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>TURKS AND CAICOS ISLANDS<br/>(United Kingdom)</b>                                                                                          |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| MBJT GRAND TURK/Grand Turk Intl<br>RS                                                                                                         | 11<br>29                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MBPV PROVIDENCIALES/<br>Providenciales Intl<br>RS                                                                                             | 10<br>28                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| MBSC SOUTH CAICOS/South Caicos<br>Intl<br>RS                                                                                                  | 10<br>28                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>URUGUAY</b>                                                                                                                                |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SUCA COLONIA/Internacional de<br>Colonia<br>RG                                                                                                | 12<br>30                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SULS MALDONADO/Intl. C/C Carlos<br>A. Curbelo Laguna del Sauce<br>RS                                                                          | 08<br>26                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
|                                                                                                                                               | 01<br>19                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| SUAA MONTEVIDEO/Aeropuerto<br>Angel S. Adami Intl.<br>RG                                                                                      | 18<br>36                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SUMU MONTEVIDEO/Carrasco Intl.<br>"Gral. Cesáreo L. Berisso"<br>RG                                                                            | 18<br>36                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
|                                                                                                                                               | 10<br>28                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
|                                                                                                                                               | 01<br>19                                     | NINST<br>NPA                                      |                                                    |     |                   | X<br>X | X<br>X |            | X      |                                                              |     |                                       |
| SURV RIVERA/Cerro Chapeu Intl.<br>RS                                                                                                          | 05<br>23                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |        |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|--------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aeródromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND   | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10     | 11                                                           | 12  | 13                                    |
| SUSO SALTO/Nueva Hesperides Intl.<br>RG                                                                                                       | 05<br>23                                     | NPA<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |
| <b>VENEZUELA</b>                                                                                                                              |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| SVBC BARCELONA/Gral. José<br>Antonio Anzátegui Intl<br>RNS                                                                                    | 15<br>33                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SVMI CARACAS/Simón Bolívar Intl,<br>Maiquetía<br>RS                                                                                           | 09L<br>27R                                   | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SVMC MARACAIBO/La Chinita Intl<br>RS                                                                                                          | 02L<br>20R                                   | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SVMG MARGARITA/Intl Del Caribe<br>Gral. Santiago Marino<br>RS                                                                                 | 09<br>27                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SVJC PARAGUANA/Josefa Camejo<br>Intl<br>RS                                                                                                    | 09<br>27                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SVSA SAN ANTONIO DEL<br>TACHIRA/San Antonio del<br>Táchira Intl<br>RS                                                                         | 16<br>34                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| SVVA VALENCIA/Zim Valencia Intl<br>RS                                                                                                         | 10<br>28                                     | NINST<br>NPA                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| <b>VIRGIN ISLANDS<br/>(United Kingdom)</b>                                                                                                    |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TUPJ ROADTOWN/Beef Island<br>RS                                                                                                               | 07<br>25                                     | NPA<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X      |                                                              |     |                                       |
| TUPW VIRGIN GORDA I./Virgin Gorda<br>RS                                                                                                       | 03<br>21                                     | NINST<br>NINST                                    |                                                    |     |                   |        |        | X          |        |                                                              |     |                                       |
| <b>VIRGIN ISLANDS<br/>(United States)</b>                                                                                                     |                                              |                                                   | X                                                  | X   |                   |        |        |            |        | X                                                            | X   |                                       |
| TISX CHRISTIANSTED/Henry E.<br>Rohlsen, St. Croix<br>RS                                                                                       | 09<br>27                                     | PA1<br>NPA                                        |                                                    |     | X                 | X<br>X | X<br>X | X          | X<br>X |                                                              |     |                                       |

| State, territory or aerodrome for which WGS-84 is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere el WGS-84 |                                              |                                                   | WGS-84 required<br>French text<br>WGS-84 requerido |     |                   |        |        |            |      |                                                              |     | Remarks<br>Remarques<br>Observaciones |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----|-------------------|--------|--------|------------|------|--------------------------------------------------------------|-----|---------------------------------------|
| City/Aerodrome/Use<br>Ciudad/Aerodromo/Uso                                                                                                    | RWY<br>No.<br>French<br>text<br>PISTA<br>No. | RWY<br>type<br>French<br>test<br>Tipo de<br>pista | FIR                                                | ENR | TMA<br>CTA<br>CTZ | APP    | RWY    | AD/<br>HEL | GUND | Quality<br>System<br>French<br>text<br>Sistema de<br>calidad | AIP |                                       |
| 1                                                                                                                                             | 2                                            | 3                                                 | 4                                                  | 5   | 6                 | 7      | 8      | 9          | 10   | 11                                                           | 12  |                                       |
| TIST SAINT THOMAS/Cyril E. King<br>RS                                                                                                         | 10<br>28                                     | PA1<br>NINST                                      |                                                    |     | X                 | X<br>X | X<br>X | X          | X    |                                                              |     |                                       |

## Table AIS 6 — Tableau AIS 6 — Tabla AIS 6

### AERONAUTICAL CHART REQUIREMENTS FRENCH TEXT REQUISITOS EN MATERIA DE CARTAS AERONÁUTICAS

#### EXPLANATION OF THE TABLE

##### Column

- |   |                                                                                                                                                                                                                                                                                                                                                                                            |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Name of the State, territory or aerodrome for which aeronautical chart is required with the designation of the aerodrome use:</p> <p>RS — international scheduled air transport, regular use<br/> RNS — international non-scheduled air transport, regular use<br/> RG — international general aviation, regular use<br/> AS — international scheduled air transport, alternate use</p> |
| 2 | Runway designation numbers                                                                                                                                                                                                                                                                                                                                                                 |
| 3 | <p>Type of each of the runways to be provided. The types of runways, as defined in Annex 14, Volume 1, Chapter I, are:</p> <p>NINST — non-instrument runway;<br/> NPA — non-precision approach runway<br/> PA1 — precision approach runway, Category I;<br/> PA2 — precision approach runway, Category II;<br/> PA3 — precision approach runway, Category III.</p>                         |
| 4 | Requirement for the Enroute Chart — ICAO (ENRC), shown by an “X” against the State or territory to be covered.                                                                                                                                                                                                                                                                             |
| 5 | Requirement for the Instrument Approach Chart — ICAO (IAC), shown by an “X” against the runway designation to be covered.                                                                                                                                                                                                                                                                  |
| 6 | Requirement for the Aerodrome/Heliport Chart — ICAO (ADC), shown by an “X” against the aerodrome to be covered.                                                                                                                                                                                                                                                                            |
| 7 | Requirement for the Aerodrome Obstacle Chart — ICAO Type A (AOC-A), shown by an “X” against the runway designation to be covered.                                                                                                                                                                                                                                                          |
| 8 | Requirement for the Precision Approach Terrain Chart — ICAO (PATC), shown by an “X” against the runway designation to be covered.                                                                                                                                                                                                                                                          |
-

- |    |                                                                                                                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------|
| 9  | Requirement for the Area Chart — ICAO (ARC), shown by an “X” against the aerodrome to be covered.                                     |
| 10 | Requirement for the Standard Departure Chart — Instrument — ICAO (SID), shown by an “X” against the runway designation to be covered. |
| 11 | Requirement for the Standard Arrival Chart — Instrument — ICAO (STAR), shown by an “X” against the runway designation to be covered.  |
| 12 | Requirement for the Visual Approach Chart — ICAO (VAC), shown by an “X” against the aerodrome or runway designation to be covered.    |
| 13 | Requirement for the Aerodrome Obstacle Chart — ICAO Type C (AOC-C), shown by an “X” against the aerodrome to be covered.              |
| 14 | Remarks                                                                                                                               |

## EXPLICATION DU TABLEAU

## EXPLICACIÓN DE LA TABLA

*Columna*

- |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <p>Nombre del Estado, territorio o aeródromo para el cual se requiere una carta aeronáutica con la designación del uso del aeródromo:</p> <p>RS — utilizado como aeródromo regular por el transporte aéreo internacional regular,<br/> RNS — utilizado como aeródromo regular por el transporte aéreo internacional no regular,<br/> RG — utilizado como aeródromo regular por la aviación general internacional,<br/> AS — utilizado como aeródromo de alternativa por el transporte aéreo internacional regular</p> |
| 2 | Números de designación de pista                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3 | <p>Tipo de cada una de las pistas que han de suministrarse. Los tipos de pista, según se definen en el Anexo 14, Volumen I, Capítulo 1, son:</p> <p>NINST — pista de vuelo visual,<br/> NPA — pista para aproximaciones que no sean de precisión,<br/> PA1 — pista para aproximaciones de precisión de Categoría I,<br/> PA2 — pista para aproximaciones de precisión de Categoría II,<br/> PA3 — pista para aproximaciones de precisión de Categoría III.</p>                                                        |
| 4 | Requisito de la Carta de navegación en ruta — OACI (ENRC), indicado por una “X” frente al Estado o territorio que debe cubrirse.                                                                                                                                                                                                                                                                                                                                                                                      |
| 5 | Requisito de la Carta de aproximación por instrumentos — OACI (IAC), indicado por una “X” frente a la designación de la pista que debe cubrirse.                                                                                                                                                                                                                                                                                                                                                                      |
| 6 | Requisito del Plano de aeródromo/heliuerto — OACI (ADC), indicado por una “X” frente al aeródromo que                                                                                                                                                                                                                                                                                                                                                                                                                 |

- debe cubrirse.
- 7 Requisito del Plano de obstáculos de aeródromo — OACI (AOC-A) indicado por una “X” frente a la designación de la pista que debe cubrirse.
  - 8 Requisito de la carta topográfica para aproximaciones de precisión — OACI (PATC), indicado por una “X” frente a la designación de la pista que debe cubrirse.
  - 9 Requisito de la Carta de área — OACI (ARC), indicado por una “X” frente al aeródromo que debe cubrirse.
  - 10 Requisito de la Carta de salida normalizada — Vuelo por instrumentos — OACI (SID), indicado por una “X” frente a la designación de la pista que debe cubrirse.
  - 11 Requisito de la Carta de llegada normalizada — Vuelo por instrumentos — OACI (STAR), indicado por una “X” frente a la designación de la pista que debe cubrirse.
  - 12 Requisito de la Carta de aproximación visual — OACI (VAC) indicado por una “X” frente al aeródromo o la designación de la pista que debe cubrirse.
  - 13 Requisito del Plano de obstáculos de aeródromo — OACI Tipo C (AOC-C), indicado por una “X” al aeródromo que debe cubrirse.
  - 14 Observaciones.
-



| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                          | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY type<br>French text<br>Tipo de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                        | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| <b>ANGUILLA<br/>(United Kingdom)</b>                                                                                                            |                                         |                                          | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TQPF THE VALLEY/Wallblake,<br>Anguilla I.<br>RS                                                                                                 | 10<br>28                                | NPA<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>ANTIGUA AND BARBUDA</b>                                                                                                                      |                                         |                                          | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TAPA SAINT JOHNS/V.C. Bird,<br>Antigua I.<br>RS                                                                                                 | 07<br>25                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>ARGENTINA</b>                                                                                                                                |                                         |                                          | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SABE BUENOS AIRES/Aeroparque<br>Jorge Newberry<br>RS                                                                                            | 13<br>31                                | PA1<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SADD BUENOS AIRES/Don<br>Torcuato<br>RG                                                                                                         | 16<br>34                                | NINST<br>NINST                           |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| SAEZ BUENOS AIRES/Ezeiza<br>Ministro Pistarini<br>RS                                                                                            | 11<br>29                                | PA3<br>NPA                               |                                                        | X<br>X | X   | X<br>X | X    | X                                                                                     |     |      |     | X     |                                       |
|                                                                                                                                                 | 17<br>35                                | NINST<br>PA1                             |                                                        | X      |     | X<br>X |      |                                                                                       |     |      |     |       |                                       |
| SADF BUENOS AIRES/San<br>Fernando<br>RG                                                                                                         | 05<br>23                                | NINST<br>NPA                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SARI CATARATAS DEL<br>IGUAZÚ/My. D. Carlos<br>Eduardo D. Krause<br>RNS & AS                                                                     | 13<br>31                                | NPA<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAVC COMODORO RIVADAVIA/<br>General Mosconi<br>RS                                                                                               | 07<br>125                               | NINST<br>PA1                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SACO CORDOBA/Ing. Aer. A.L.<br>Taravela<br>RS                                                                                                   | 18<br>36                                | PA1<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SARF FORMOSA/Formosa<br>RG                                                                                                                      | 03<br>21                                | NPA<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SASJ JUJUY/Gobernador Guzmán<br>RS                                                                                                              | 15<br>33                                | NINST<br>PA1                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                          | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usos                                                                                      | RWY No.<br>French text<br>PISTA<br>Núm. | RWY type<br>French text<br>Tipo de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                        | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| SAZM MAR DEL PLATA/Bgdier.<br>Gral. B. de al Colina<br>RG & AS                                                                                  | 13<br>31                                | PA1<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAME MENDOZA/EI Plumerillo<br>RS                                                                                                                | 18<br>36                                | NPA<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAZN NEUQUEN/Presidente Perón<br>RNS & AS                                                                                                       | 08<br>26                                | PA1<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SARP POSADAS/Libertador Gral.<br>D. José de San Martín<br>RNS                                                                                   | 01<br>19                                | NPA<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SARE RESISTENCIA/Resistencia<br>RNS & AS                                                                                                        | 03<br>21                                | NINST<br>PA1                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAWG RIO GALLEGOS/Piloto Civil<br>N. Fernández<br>RS                                                                                            | 07<br>25                                | NPA<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAWE RIO GRANDE/Rio Grande<br>RNS & AS                                                                                                          | 07<br>25                                | NINST<br>PA1                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAAR ROSARIO/Rosario<br>RS                                                                                                                      | 01<br>19                                | NINST<br>PA1                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SASA SALTA/Salta<br>RS                                                                                                                          | 01<br>19                                | PA1<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAZS SAN CARLOS DE<br>BARILOCHE/San Carlos de<br>Bariloche<br>RS                                                                                | 11<br>29                                | NPA<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SANT TUCUMAN/Tte. Benjamín<br>Matienzo<br>RS                                                                                                    | 119                                     | PA1<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SAWH USHUAIA/Malvinas<br>Argentinas<br>RNS & AS                                                                                                 | 725                                     | NPA<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |                 |     |                      |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|-----------------|-----|----------------------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC             | ADC | AOC-A                | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5               | 6   | 7                    | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| <b>ARUBA</b><br><b>(Netherlands)</b><br>TNCA ORANJESTAD/Reina<br>Beatrix, Aruba I.<br>RS                                                        | 1129                                    | PA1<br>NPA                                     | X                                                      | X<br>X          | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| <b>BAHAMAS</b><br>MYBS ALICE TOWN/South Bimini,<br>Bimini I.<br>RS                                                                              | 09<br>27                                | NINST<br>NINST                                 | X                                                      |                 | X   | X<br>X               |      |                                                                                       |     |      |     | X     |                                       |
| MYSM COCKBURN TOWN/San<br>Salvador I.<br>RS                                                                                                     | 10<br>28                                |                                                |                                                        |                 | X   | X<br>X               |      |                                                                                       |     |      |     | X     |                                       |
| MYGF FREEPORT/Freeport Intl,<br>Grand Bahama I.<br>RS                                                                                           | 06<br>24                                | PA1<br>NPA                                     |                                                        | X<br>X          | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MYEG GEORGE TOWN/George<br>Town, Exuma I.<br>RS                                                                                                 | 12<br>30                                | NPA<br>NINST                                   |                                                        | X               | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MYEM GOVERNOR'S HARBOUR/<br>Governor's Harbour,<br>Eleuthera I.<br>RS                                                                           | 15<br>33                                | NPA<br>NPA                                     |                                                        | X<br>X          | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MYAM MARSH HARBOUR/Marsh<br>Harbour, Abaco I.<br>RS                                                                                             | 09<br>27                                | NINST<br>NINST                                 |                                                        |                 | X   | X<br>X               |      |                                                                                       |     |      |     | X     |                                       |
| MYNN NASSAU/Nassau Intl, New<br>Providence I.<br>RS                                                                                             | 14<br>32<br><br>09<br>27                | PA1<br>NPA<br><br>NPA<br>NINST                 |                                                        | X<br>X<br><br>X | X   | X<br>X<br><br>X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MYEH NORTH ELEUTHERA/ North<br>Eleuthera, Eleuthera I.<br>RS                                                                                    | 07<br>25                                | NINST<br>NINST                                 |                                                        |                 | X   | X<br>X               |      |                                                                                       |     |      |     | X     |                                       |
| MYLS STELLA MARIS/<br>Long Island I.<br>RS                                                                                                      | 14<br>32                                |                                                |                                                        |                 | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MYAT TREASURE CAY/Treasure<br>Cay, Abaco I.<br>RS                                                                                               | 14<br>32                                | NPA<br>NPA                                     |                                                        | X<br>X          | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| MYGW WEST END/West End,<br>Grand Bahama I.<br>RNS & AS                                                                                          | 11<br>29                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>BARBADOS</b>                                                                                                                                 |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TBPB BRIDGETOWN/Grantley<br>Adams Intl<br>RS                                                                                                    | 09<br>27                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>BELIZE</b>                                                                                                                                   |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MZBZ BELIZE/Philip S.W. Goldson<br>Intl<br>RS                                                                                                   | 07<br>25                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>BOLIVIA</b>                                                                                                                                  |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SLCB COCHABAMBA/Jorge<br>Wilsterman<br>AS                                                                                                       | 13<br>31                                | NINST<br>PA1                                   |                                                        | X      | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SLLP LA PAZ/EI Alto<br>RS                                                                                                                       | 10<br>28                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SLVR SANTA CRUZ/Viru Viru<br>RS                                                                                                                 | 15<br>33                                | NPA<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SLTJ TARIJA/Oriel Lea Plaza<br>RNS                                                                                                              | 13<br>31                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SLTR TRINIDAD/Tte. Av. Jorge<br>Henrich Arauz<br>AS                                                                                             | 14<br>32                                | PA1<br>NPA                                     |                                                        | X<br>X | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| <b>BRAZIL</b>                                                                                                                                   |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SBBE BELEM/Val de Caes<br>RS                                                                                                                    | 06<br>24                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBCF BELO HORIZONTE/<br>Tancredo Neves<br>RS                                                                                                    | 16<br>34                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBBV BOA VISTA/Boa Vista Intl<br>RS                                                                                                             | 08<br>26                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

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|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY type<br>French text<br>Tipo de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                        | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| SBBR BRASILIA/Brasilia Intl<br>RS                                                                                                               | 11<br>29                                | PA1<br>PA1                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBKP CAMPINAS/Viracopos<br>RS                                                                                                                   | 15<br>33                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBCG CAMPO GRANDE/Campo<br>Grande Intl<br>RS                                                                                                    | 06<br>24                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBCR CORUMBA/Corumbá<br>RS                                                                                                                      | 09<br>27                                | NPA<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SGCZ CRUZEIRO DO<br>SUL/Cruzeiro do Sul                                                                                                         | 10<br>28                                | NPA<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBCY CUIABA/Marechal Rondon<br>RS                                                                                                               | 17<br>35                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBCT CURITIBA/Afonso Pena<br>RS                                                                                                                 | 15<br>33                                | PA3<br>NPA                               |                                                        | X<br>X | X   | X<br>X | X    | X                                                                                     |     |      |     | X     |                                       |
| SBFL FLORIANOPOLIS/Hercilio<br>Luz Intl<br>RS                                                                                                   | 14<br>32                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBFZ FORTALEZA/Pinto Martins<br>RS                                                                                                              | 13<br>31                                | NPA<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBFI FOZ DO IGUAÇU/Cataratas<br>RS                                                                                                              | 14<br>32                                | NPA<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBMQ MACAPÁ/Macapá Intl<br>RS                                                                                                                   | 08<br>26                                | NPA<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBEG MANAUS/Eduardo Gomes<br>RS                                                                                                                 | 10<br>28                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBNT NATAL/Augusto Severo<br>AS                                                                                                                 | 16L<br>34R                              | NPA<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

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|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Uso                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY type<br>French text<br>Tipo de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                        | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| SBPP PONTA PORÁ/Ponta Porá Intl.<br>RS                                                                                                          | 03<br>31                                | NPA<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBPA PORTO ALEGRE/Salgado Filho<br>RS                                                                                                           | 11<br>29                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBRF RECIFE/Guararapes<br>RS                                                                                                                    | 18<br>36                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBGL RIO DE JANEIRO/Galeao, Antonio Carlos Jobim Intl<br>RS                                                                                     | 10<br>28                                | PA2<br>PA1                               |                                                        | X<br>X | X   | X<br>X | X    | X                                                                                     |     |      |     | X     |                                       |
|                                                                                                                                                 | 15<br>33                                | PA1<br>NINST                             |                                                        | X      |     | X<br>X |      |                                                                                       |     |      |     |       |                                       |
| SBSV SALVADOR/Deputado Luiz Eduardo Magalhães<br>RS                                                                                             | 10<br>28                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBSN SANTAREM/Santarém Intl<br>AS                                                                                                               | 10<br>28                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBSL SAO LUIS/Marechal Cunha Machado<br>AS                                                                                                      | 06<br>24                                | NPA<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SBGR SAO PAULO/Guarulhos Intl<br>RS                                                                                                             | 09R<br>27L                              | PA2<br>PA1                               |                                                        | X<br>X | X   | X<br>X | X    | X                                                                                     |     |      |     | X     |                                       |
|                                                                                                                                                 | 09L<br>27R                              | PA1<br>NPA                               |                                                        | X<br>X |     | X<br>X |      |                                                                                       |     |      |     |       |                                       |
| SBTT TABATINGA/Tabatinga Intl.<br>RS                                                                                                            | 12<br>36                                | NPA<br>NPA                               |                                                        | X<br>X | X   |        |      |                                                                                       | X   |      |     | X     |                                       |
| SBUG URURUAIANA/Rubem Berta<br>RS                                                                                                               | 09<br>27                                | NINST<br>NPA                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| <b>CAYMAN ISLANDS<br/>(United Kingdom)</b>                                                                                                      |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MWCB CAYMAN BRAC/Gerrard<br>Smith Intl<br>RS                                                                                                    | 09<br>27                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| MWCR GEORGETOWN/Owen<br>Roberts Intl<br>RS                                                                                                      | 08<br>26                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>CHILE</b>                                                                                                                                    |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SCFA ANTOFAGASTA/Cerro<br>Moreno<br>AS                                                                                                          | 19<br>01                                | NPA<br>NPA                                     |                                                        | X<br>X | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SCAR ARICA/Chacalluta<br>RS                                                                                                                     | 02<br>20                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SCIE CONCEPCION/Carriel Sur<br>RS                                                                                                               | 02<br>20                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SCDA IQUIQUE/Gral. Diego<br>Aracena Intl<br>AS                                                                                                  | 18<br>36                                | NPA<br>NINST                                   |                                                        | X      | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SCTE PUERTO MONTT/EI Tepual<br>RS                                                                                                               | 17<br>35                                | NPA<br>PA1                                     |                                                        | X<br>X | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SCCI PUNTA ARENAS/Pdte. C.<br>Ibañez del Campo<br>AS                                                                                            | 07<br>25                                | NPA<br>PA1                                     |                                                        | X<br>X | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SCEL SANTIAGO/Arturo Merino<br>Beñítez<br>RS                                                                                                    | 17<br>35                                | PA3<br>NPA                                     |                                                        | X<br>X | X   | X<br>X | X    | X                                                                                     |     |      |     | X     |                                       |
| SCTC TEMUCO/Manquehue<br>RS                                                                                                                     | 06<br>24                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>COLOMBIA</b>                                                                                                                                 |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SKBQ BARRANQUILLA/Ernesto<br>Cortissoz<br>RS                                                                                                    | 04<br>22                                | PA1<br>NINST                                   |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SKCL CALI/Alfonso Bonilla Aragón<br>RS                                                                                                          | 01<br>19                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |        |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |        | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|--------|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|--------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Uso                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC    | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C  |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6      | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13     | 14                                    |
| SKCG CARTAGENA/Rafael Nuñez<br>RS                                                                                                               | 18<br>36                                | NINST<br>NPA                                   |                                                        | X      | X      | X<br>X |      | X                                                                                     |     |      |     | X      |                                       |
| SKCC CUCUTA/Camilo Daza<br>RNS & AS                                                                                                             | 15<br>33                                | PA1<br>NINST                                   |                                                        | X      | X      | X<br>X |      | X                                                                                     |     |      |     | X      |                                       |
|                                                                                                                                                 | 02<br>20                                | NINST<br>NINST                                 |                                                        |        |        | X<br>X |      |                                                                                       |     |      |     | X      |                                       |
| SKLT LETICIA/Alfredo Vásquez<br>Cobo<br>RNS & AS                                                                                                | 02<br>20                                | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X<br>X                                                                                |     |      |     | X<br>X |                                       |
| SKRG RIONEGRO/José Mariá<br>Córdoba<br>RS                                                                                                       | 18<br>36                                | NINST<br>PA1                                   |                                                        | X<br>X | X      | X<br>X |      | X                                                                                     |     |      |     | X      |                                       |
| SKSP SAN ANDRES I./<br>Sesquicentenario<br>RS                                                                                                   | 06<br>24                                | NPA<br>NINST                                   |                                                        | X      | X      | X<br>X |      | X                                                                                     |     |      |     | X      |                                       |
| SKBO SANTAFE DE BOGOTA/<br>Eldorado<br>RS                                                                                                       | 13L<br>31R                              | PA2<br>NINST                                   |                                                        | X      | X      | X<br>X | X    | X                                                                                     |     |      |     | X      |                                       |
|                                                                                                                                                 | 13R<br>31L                              | PA2<br>NINST                                   |                                                        | X      |        | X<br>X | X    |                                                                                       |     |      |     | X      |                                       |
| <b>COSTA RICA</b>                                                                                                                               |                                         |                                                | X                                                      |        |        |        |      |                                                                                       |     |      |     |        |                                       |
| MROC ALAJUELA/Juan Santamaría<br>Intl<br>RS                                                                                                     | 07<br>25                                | PA1<br>NINST                                   |                                                        | X      | X      | X<br>X |      | X                                                                                     |     |      |     | X      |                                       |
| MRLB LIBERIA/Daniel Oduber<br>Quirós<br>RNS & AS                                                                                                | 07<br>25                                | PA1<br>NINST                                   |                                                        | X      | X      | X<br>X |      | X                                                                                     |     |      |     | X      |                                       |
| MRLM LIMON/Limón Intl<br>RG                                                                                                                     | 14<br>32                                | NPA<br>NINST                                   |                                                        | X      | X      | X<br>X |      | X                                                                                     |     |      |     | X      |                                       |
| MRPV PAVAS/Tobías Bolanos Intl<br>RG                                                                                                            | 09<br>27                                | NINST<br>NINST                                 |                                                        |        | X      | X<br>X |      |                                                                                       |     |      |     | X      |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |        |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|--------|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Us                                                                                        | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC    | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6      | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| <b>CUBA</b>                                                                                                                                     |                                         |                                                | X                                                      |        |        |        |      |                                                                                       |     |      |     |       |                                       |
| MUCM CAMAGUEY/Ignacio<br>Agramonte<br>RS                                                                                                        | 07<br>25                                | PA1<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MUCL CAYO LARGO DEL SUR/Vilo<br>Acuña<br>RS                                                                                                     | 12<br>30                                | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MUCA CIEGO DE AVILA/Máximo<br>Gómez<br>RS                                                                                                       |                                         | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MUHA HABANA/José Martí Intl<br>RS                                                                                                               | 06<br>24                                | PA1<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MUHG HOLGUIN/Frank País<br>RS                                                                                                                   | 05<br>23                                | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MUCU SANTIAGO DE CUBA/<br>Antonio Maceo<br>RNS                                                                                                  | 09<br>27                                | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MUVR VARADERO/Juan Gualberto<br>Gómez<br>RS                                                                                                     | 06<br>24                                | PA1<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>DOMINICA</b>                                                                                                                                 |                                         |                                                | X                                                      |        |        |        |      |                                                                                       |     |      |     |       |                                       |
| TDPD MELVILLE HALL/Dominica<br>RS                                                                                                               | 09<br>27                                | NINST<br>NINST                                 |                                                        |        | X<br>X | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| TDPR ROSEAU/Canefield<br>RS                                                                                                                     | 01<br>19                                | NINST<br>NINST                                 |                                                        |        | X<br>X | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| <b>DOMINICAN REPUBLIC</b>                                                                                                                       |                                         |                                                | X                                                      |        |        |        |      |                                                                                       |     |      |     |       |                                       |
| MDBH BARAHONA/Arpto.<br>Internacional María Montes<br>RS                                                                                        | 12<br>30                                | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MDHE HERRERA/Arpto.<br>Internacional de Herrera<br>RS                                                                                           | 01<br>19                                | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MDLR LA ROMANA/La Romana Intl<br>RS                                                                                                             | 12<br>30                                | NPA<br>NPA                                     |                                                        | X<br>X | X<br>X | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Us                                                                                        | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| MDPP PUERTO PLATA/Gregorio<br>Luperón Intl<br>RS                                                                                                | 08<br>26                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MDPC PUNTA CANA/Punta Cana<br>Intl<br>RS                                                                                                        | 09<br>27                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MDST SANTIAGO/Cibao<br>RS                                                                                                                       | 12<br>30                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| MDSD SANTO DOMINGO/De Las<br>Américas Intl<br>RS                                                                                                | 17<br>35                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>ECUADOR</b>                                                                                                                                  |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SEGU GUAYAQUIL/Simón Bolívar<br>RS                                                                                                              | 03<br>21                                | NINST<br>PA1                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SELT LATACUNGA/Cotopaxi<br>RNS & AS                                                                                                             | 18<br>36                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SEMT MANTA/Eloy Alfaro<br>RS                                                                                                                    | 05<br>23                                | NINST<br>PA1                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SEQU QUITO/Mariscal Sucre<br>RS                                                                                                                 | 17<br>35                                | NPA<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>EL SALVADOR</b>                                                                                                                              |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MSLP SAN SALVADOR/EI Salvador<br>Intl<br>RS                                                                                                     | 07<br>25                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MSSS SAN SALVADOR/Ilopango<br>Intl<br>RG                                                                                                        | 15<br>33                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>FRENCH ANTILLES (France)</b>                                                                                                                 |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TFFF FORT DE FRANCE/Le<br>Lamentin, Martinique<br>RS                                                                                            | 09<br>27                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TFFR POINTE-A-PITRE/Le Raizet,<br>Guadeloupe<br>RS                                                                                              | 11<br>29                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Uso                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| TFFJ SAINT BARTHELEMY/ Saint<br>Barthelemy, Guadeloupe<br>RS                                                                                    | 10<br>28                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| TFFG SAINT MARTIN/Grand Case,<br>Guadeloupe<br>RS                                                                                               | 12<br>30                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| <b>FRENCH GUIANA<br/>(France)</b>                                                                                                               |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SOCA CAYENNE/Rochambeau<br>RS                                                                                                                   | 08<br>26                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>GRENADA</b>                                                                                                                                  |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TGPZ LAURISTON/Carriacou I.<br>RS                                                                                                               | 09<br>27                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| TGPY SAINT GEORGES/Pointe<br>Salines<br>RS                                                                                                      | 10<br>28                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>GUATEMALA</b>                                                                                                                                |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MGFL FLORES/Flores Intl<br>RS                                                                                                                   | 10<br>28                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MGGT GUATEMALA/La Aurora<br>RS                                                                                                                  | 01<br>19                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MGPB PUERTO BARRIOS/Puerto<br>Barrios<br>RG & AS                                                                                                | 12<br>30                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| MGSJ SAN JOSE/San José<br>RG & AS                                                                                                               | 15<br>33                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>GUYANA</b>                                                                                                                                   |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SYCJ TIMEHRI/Cheddi Jagan Intl<br>RS                                                                                                            | 06<br>24                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>HAITI</b>                                                                                                                                    |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MTCH CAP HAITIEN/Cap Haitien<br>Intl<br>RS                                                                                                      | 05<br>23                                | NINST<br>NPA                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| MTTP PORT-AU-PRINCE/<br>Port-au-Prince Intl<br>RS                                                                                               | 09<br>27                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>HONDURAS</b>                                                                                                                                 |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MHLC LA CEIBA/Goloson Intl<br>RS                                                                                                                | 06<br>24                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MHRO ROATAN/Juan Manuel<br>Gálvez Intl<br>RS                                                                                                    | 06<br>24                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MHLM SAN PEDRO SULA/La Mesa<br>Intl<br>RS                                                                                                       | 03<br>21                                | NINST<br>PA1                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>JAMAICA</b>                                                                                                                                  |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MKJP KINGSTON/Norman Manley<br>Intl<br>RS                                                                                                       | 12<br>30                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MKJS MONTEGO BAY/Sangster<br>Intl<br>RS                                                                                                         | 07<br>25                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>MEXICO</b>                                                                                                                                   |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MMAA ACAPULCO/Gral. Juan N.<br>Alvarez Intl<br>RS                                                                                               | 10<br>28                                | PA1<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMBT BAHIAS DE HUATULCO/<br>Bahías de Huatulco<br>RNS                                                                                           | 07<br>25                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMCP CAMPECHE/Ing. Alberto<br>Acuña Ongay<br>RG                                                                                                 | 16<br>34                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMUN CANCUN/Cancún Intl<br>RS                                                                                                                   | 12<br>30                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMCM CHETUMAL/Chetumal Intl<br>RS                                                                                                               | 10<br>28                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMCU CHIHUAHUA/Gral. Roberto<br>Fierro Villalobos Intl<br>RS                                                                                    | 18L<br>36R                              | NPA<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Uso                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| MMMC CIUDAD ACUNA/Ciudad<br>Acuña Intl<br>RG                                                                                                    | 13<br>31                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| MMCS CIUDAD JUAREZ/Abraham<br>González Intl<br>RG & AS                                                                                          | 03<br>21                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMCZ COZUMEL/Cozumel Intl<br>RS                                                                                                                 | 11<br>29                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMCL CULIACAN/Fidel<br>Bachigualato<br>RS                                                                                                       | 02<br>20                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMDO DURANGO/Pte. Guadalupe<br>Vitoria Intl<br>RS                                                                                               | 03<br>21                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMGL GUADALAJARA/Miguel<br>Hidalgo y Costilla Intl<br>RS                                                                                        | 10<br>28                                | PA1<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMGM GUAYMAS/Gral. José María<br>Yañez Intl<br>RS                                                                                               | 02<br>20                                | NINST<br>NPA                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMHO HERMOSILLO/Gral. I.<br>Pesqueira García Intl<br>RS                                                                                         | 05<br>23                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMZH IXTAPA-ZIHUATANEJO/<br>Ixtapa-Zihuantanejo Intl<br>RS                                                                                      | 08<br>26                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMLP LA PAZ/Gral. Manuel<br>Márquez de Leon Intl<br>RS                                                                                          | 18<br>36                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMLO LEON/Guanajuato<br>RS                                                                                                                      | 13<br>31                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMLT LORETO/Loreto Intl<br>RS                                                                                                                   | 16<br>34                                | NINST<br>NPA                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |                      |     |                      |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|----------------------|-----|----------------------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usos                                                                                      | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC                  | ADC | AOC-A                | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5                    | 6   | 7                    | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| MMZO MANZANILLO/Playa de Oro<br>Intl<br>RS                                                                                                      | 10<br>28                                | NPA<br>NINST                                   |                                                        | X                    | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMMA MATAMOROS/Matamoras<br>Intl<br>RG & AS                                                                                                     | 15<br>33                                | NPA<br>NPA                                     |                                                        | X<br>X               | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMMZ MAZATLAN/Gral. Rafael<br>Buelna Intl<br>RS                                                                                                 | 08<br>26                                | NPA<br>PA1                                     |                                                        | X<br>X               | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMMD MERIDA/Lic. Manuel<br>Crescencio Rejon Intl<br>RS                                                                                          | 10<br>28                                | PA1<br>NPA                                     |                                                        | X<br>X               | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMML MEXICALI/Gral. Rodolfo<br>Sánchez Taboada Intl<br>RG                                                                                       | 10<br>28                                | NINST<br>NPA                                   |                                                        | X                    | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMMX MEXICO/Lic. Benito Juárez<br>Intl<br>RS                                                                                                    | 05R<br>23L<br><br>05L<br>23R            | PA1<br>PA1<br><br>NPA<br>NPA                   |                                                        | X<br>X<br><br>X<br>X | X   | X<br>X<br><br>X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMAN MONTERREY/Del Norte Intl<br>RG & AS                                                                                                        | 02<br>20                                | NINST<br>NPA                                   |                                                        | X                    | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMMY MONTERREY/Gral. Mariano<br>Escobedo Intl<br>RS                                                                                             | 11<br>29                                | NPA<br>PA1                                     |                                                        | X<br>X               | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMMM MORELIA/Gral. Francisco<br>J. Mujica Intl<br>RS                                                                                            | 05<br>23                                | NPA<br>NPA                                     |                                                        | X<br>X               | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMNG NOGALES/Nogales Intl<br>RG                                                                                                                 | 16<br>34                                | NINST<br>NINST                                 |                                                        |                      | X   | X<br>X               |      |                                                                                       |     |      |     | X     |                                       |
| MMNL NUEVO LAREDO/<br>Quetzalcoatl Intl<br>RG                                                                                                   | 14<br>32                                | NPA<br>NPA                                     |                                                        | X<br>X               | X   | X<br>X               |      | X                                                                                     |     |      |     | X     |                                       |
| MMPG PIEDRAS NEGRAS/Piedras<br>Negras Intl<br>RG                                                                                                | 12<br>30                                | NINST<br>NINST                                 |                                                        |                      | X   | X<br>X               |      |                                                                                       |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| MMPR PUERTO VALLARTA/Lic. Gustavo Díaz Ordaz Intl RS                                                                                            | 04<br>22                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMRX REYNOSA/Gral. Lucio Blanco Intl RG                                                                                                         | 13<br>31                                | NINST<br>NPA                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMSF SAN FELIPE/San Felipe Intl RG                                                                                                              | 14<br>32                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| MMSD SAN JOSE DEL CABO/San José del Cabo Intl RS                                                                                                | 16<br>34                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMTM TAMPICO/Gral. Francisco Javier Mina Intl RS                                                                                                | 13<br>31                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMTP TAPACHULA/Tapachula Intl RNS                                                                                                               | 05<br>23                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMTJ TIJUANA/Gral. Abelardo L. Rodríguez Intl RS                                                                                                | 09<br>27                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMTO TOLUCA/Lic. Adolfo López Mateos RNS                                                                                                        | 15<br>33                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMTC TORREON/Torreón Intl RS                                                                                                                    | 12<br>30                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMVR VERACRUZ/Gral. Heiberto Jara Intl RS                                                                                                       | 18<br>36                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMVA VILLAHERMOSA/C.P.A. Carlos Rovirosa Intl RS                                                                                                | 08<br>26                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MMZC ZACATECAS/Gral. Leobardo C. Ruiz Intl RS                                                                                                   | 02<br>20                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| <b>MONTERRAT<br/>(United Kingdom)</b>                                                                                                           |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TRPM PLYMOUTH/W.H. Bramble,<br>Montserrat I.<br>RS                                                                                              | 15<br>33                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| <b>NETHERLANDS ANTILLES<br/>(Netherlands)</b>                                                                                                   |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TNCB KRALENDIJK/Flamingo,<br>Bonaire I.<br>RS                                                                                                   | 10<br>28                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TNCE ORANJESTAD/F.D.<br>Roosevelt, Saint Eustatius I.<br>RS                                                                                     | 06<br>24                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| TNCM PHILIPSBURG/Princess<br>Juliana, St. Maarten I.<br>RS                                                                                      | 09<br>27                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TNCC WILLEMSTAD/Hato,<br>Curaçao I.<br>RS                                                                                                       | 11<br>29                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>NICARAGUA</b>                                                                                                                                |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MNMG MANAGUA/Augusto César<br>Sandino Intl<br>RS                                                                                                | 09<br>27                                | NPA<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MNPC PUERTO CABEZAS/Puerto<br>Cabezas<br>AS                                                                                                     | 08<br>26                                | NPA<br>NINST                                   |                                                        | X<br>X | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| <b>PANAMA</b>                                                                                                                                   |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MPBO BOCAS DEL TORO/Bocas<br>del Toro<br>RG & AS                                                                                                | 08<br>26                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MPCH CHANGUINOLA/Cap.<br>Manuel Niño<br>RG & AS                                                                                                 | 03<br>21                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| MPDA DAVID/Enrique Malek<br>RS                                                                                                                  | 04<br>22                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MPMG PANAMA/Marcos A. Gelabert<br>RG & AS                                                                                                       | 18<br>36                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Uso                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| MPTO PANAMA/Tocumen Intl<br>RS                                                                                                                  | 03R<br>21L                              | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
|                                                                                                                                                 | 03L<br>21R                              | NPA<br>NINST                                   |                                                        | X      |     | X<br>X |      |                                                                                       |     |      |     |       |                                       |
| <b>PARAGUAY</b>                                                                                                                                 |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SGAS ASUNCION/Silvio Pettirossi<br>RS                                                                                                           | 02<br>20                                | NPA<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SGES CIUDAD DEL ESTE/ Guaraní<br>RS                                                                                                             | 05<br>23                                | NPA<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>PERU</b>                                                                                                                                     |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SPQU AREQUIPA/Rodríguez Ballón<br>Intl<br>AS                                                                                                    | 09<br>27                                | PA1<br>NINST                                   |                                                        | X      | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SPHI CHICLAYO/Cap. José<br>Quinoñes Gonzalez<br>AS                                                                                              | 18<br>36                                | PA1<br>NINST                                   |                                                        | X      | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SPZO CUZCO/Velazco Astete<br>RS                                                                                                                 | 09<br>27                                | NINST<br>NPA                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SPQT IQUITOS/Cmel. FAP<br>Francisco Secada Vignetta<br>RS                                                                                       | 06<br>24                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SPIM LIMA-CALLAO/Jorge Chávez<br>Intl<br>RS                                                                                                     | 15<br>33                                | PA2<br>NPA                                     |                                                        | X<br>X | X   | X<br>X | X    | X                                                                                     |     |      |     | X     |                                       |
| SPSO PISCO/Pisco<br>AS                                                                                                                          | 03<br>21                                | NINST<br>NPA                                   |                                                        | X      | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| SPTN TACNA/Cmel. FAP Carlos<br>Ciriani Santa Rosa<br>RG                                                                                         | 02<br>20                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SPRU TRUJILLO/Capitán Carlos<br>Martínez de Pinillos<br>AS                                                                                      | 01<br>19                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                          | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY type<br>French text<br>Tipo de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                        | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| <b>PUERTO RICO<br/>(United States)</b>                                                                                                          |                                         |                                          | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TJBQ AGUADILLA/Rafael<br>Hernández Intl<br>RS                                                                                                   | 08<br>26                                | PA1<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TJFA FAJARDO/Diego Jiménez<br>Torres<br>RS                                                                                                      | 08<br>26                                | NINST<br>NINST                           |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| TJPS PONCE/Ponce-Mercedita<br>AS                                                                                                                | 12<br>30                                | NINST<br>NPA                             |                                                        | X      | X   |        |      | X                                                                                     |     |      |     | X     |                                       |
| TJSJ SAN JUAN/Luis Muñoz Marn<br>Intl<br>RS                                                                                                     | 08<br>26                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
|                                                                                                                                                 | 10<br>28                                | PA1<br>NINST                             |                                                        | X      |     | X<br>X |      |                                                                                       |     |      |     |       |                                       |
| TJVQ VIEQUES/Antonio Rivera<br>RS                                                                                                               | 09<br>27                                | NINST<br>NINST                           |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| <b>SAINT KITTS AND NEVIS</b>                                                                                                                    |                                         |                                          | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TKPK BASSETERRE/Robert L.<br>Bradshaw, Saint Kitts I.<br>RS                                                                                     | 07<br>25                                | NPA<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TKPN CHARLESTOWN/Newcastle<br>Nevis I.<br>RS                                                                                                    | 10<br>28                                | NINST<br>NINST                           |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| <b>SAINT LUCIA</b>                                                                                                                              |                                         |                                          | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TLPC CASTRIES/Vigie<br>RS                                                                                                                       | 09<br>27                                | NINST<br>NINST                           |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| TLPL VIEUX-FORT/Hewanorra Intl<br>RS                                                                                                            | 10<br>28                                | PA1<br>NPA                               |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>SAINT VINCENT AND THE<br/>GRENADINES</b>                                                                                                     |                                         |                                          | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TVSB BEQUIA/J.F. Mitchell<br>RS                                                                                                                 | 12<br>30                                | NPA<br>NINST                             |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TVSC CANOUAN/Canouan<br>RS                                                                                                                      | 13<br>31                                | NPA<br>NINST                             |                                                        | X      |     | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| TVSV KINGSTOWN/E.T. Joshua<br>RS                                                                                                                | 07<br>25                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TVSU UNION ISLAND/Union Island<br>RS                                                                                                            | 08<br>26                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| TVSM MUSTIQUE/Mustique<br>RNS                                                                                                                   | 09<br>27                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| <b>SURINAME</b>                                                                                                                                 |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SMNI NEW NICKERIE/Maj.<br>Fernandes<br>AS                                                                                                       | 08<br>26                                | NINST<br>NINST                                 |                                                        |        | X   |        |      |                                                                                       |     |      |     | X     |                                       |
| SMZO PARAMARIBO/Zorg en Hoop<br>RG                                                                                                              | 11<br>29                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| SMJP ZANDERY/Johan Adolf<br>Pengel Intl<br>RS                                                                                                   | 11<br>29                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>TRINIDAD AND TOBAGO</b>                                                                                                                      |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TTPP PORT OF SPAIN/Piarco Intl,<br>Trinidad I.<br>RS                                                                                            | 10<br>28                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TTCP SCARBOROUGH/Crown<br>Point, Tobago I.<br>RS                                                                                                | 11<br>29                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>TURKS AND CAICOS ISLANDS<br/>(United Kingdom)</b>                                                                                            |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| MBJT GRAND TURK/Grand Turk<br>Intl<br>RS                                                                                                        | 11<br>29                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MBPV PROVIDENCIALES/<br>Providenciales Intl<br>RS                                                                                               | 10<br>28                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| MBSC SOUTH CAICOS/South<br>Caicos Intl<br>RS                                                                                                    | 10<br>28                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| <b>URUGUAY</b>                                                                                                                                  |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SUCA COLONIA/Internacional de<br>Colonia<br>RG                                                                                                  | 12<br>30                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SULS MALDONADO/Intl. C/C<br>Carlos A. Curbelo Laguna del<br>Sauce<br>RS                                                                         | 08<br>26                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
|                                                                                                                                                 | 01<br>19                                | NPA<br>NPA                                     |                                                        | X<br>X |     | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SUAA MONTEVIDEO/Aeropuerto<br>Angel S. Adami Intl<br>RG                                                                                         | 18<br>36                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SUMU MONTEVIDEO/Carrasco Intl<br>Gral. Cesáreo L. Berisso<br>RS                                                                                 | 06<br>24                                | NPA<br>PA1                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
|                                                                                                                                                 | 10<br>28                                | NINST<br>NINST                                 |                                                        |        |     | X<br>X |      |                                                                                       |     |      |     |       |                                       |
|                                                                                                                                                 | 01<br>19                                | NINST<br>NPA                                   |                                                        | X      |     | X<br>X |      |                                                                                       |     |      |     |       |                                       |
| SURV RIVERA/Cerro Chapeu Intl<br>RS                                                                                                             | 05<br>23                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SUSO SALTO/Nueva Hesperides<br>Intl<br>RG                                                                                                       | 05<br>23                                | NPA<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>VENEZUELA</b>                                                                                                                                |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| SVBC BARCELONA/Gral. José<br>Antonio Anzátegui Intl<br>RNS                                                                                      | 15<br>33                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SVMI CARACAS/Simón Bolívar<br>Intl, Maiquetía<br>RS                                                                                             | 09L<br>27R                              | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SVMC MARACAIBO/La Chinita Intl<br>RS                                                                                                            | 02L<br>20R                              | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SVMG MARGARITA/Intl Del Caribe<br>Gral. Santiago Marino<br>RS                                                                                   | 09<br>27                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

| State, territory or aerodrome for which the chart is required<br>French text<br>Estado, territorio o aeródromo para el que se requiere la carta |                                         |                                                | Mandatory charts<br>French text<br>Cartas obligatorias |        |     |        |      | Conditionally mandatory charts<br>French text<br>Cartas condicionalmente obligatorias |     |      |     |       | Remarks<br>Remarques<br>Observaciones |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------------------------------------------------|--------------------------------------------------------|--------|-----|--------|------|---------------------------------------------------------------------------------------|-----|------|-----|-------|---------------------------------------|
| City/Aerodrome/Use<br>French text<br>Ciudad/Aeródromo/Usó                                                                                       | RWY No.<br>French text<br>PISTA<br>Núm. | RWY<br>type<br>French text<br>Tipo<br>de pista | ENRC                                                   | IAC    | ADC | AOC-A  | PATC | ARC                                                                                   | SID | STAR | VAC | AOC-C |                                       |
| 1                                                                                                                                               | 2                                       | 3                                              | 4                                                      | 5      | 6   | 7      | 8    | 9                                                                                     | 10  | 11   | 12  | 13    | 14                                    |
| SVJC PARAGUANA/Josefa Camejo Intl<br>RS                                                                                                         | 09<br>27                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SVSA SAN ANTONIO DEL TACHIRA/San Antonio del Táchira Intl<br>RS                                                                                 | 16<br>34                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| SVVA VALENCIA/Zim Valencia Intl<br>RS                                                                                                           | 10<br>28                                | NINST<br>NPA                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| <b>VIRGIN ISLANDS<br/>(United Kingdom)</b>                                                                                                      |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TUPJ ROADTOWN/Beef Island<br>RS                                                                                                                 | 07<br>25                                | NPA<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TUPW VIRGIN GORDA I./Virgin Gorda<br>RS                                                                                                         | 03<br>21                                | NINST<br>NINST                                 |                                                        |        | X   | X<br>X |      |                                                                                       |     |      |     | X     |                                       |
| <b>VIRGIN ISLANDS<br/>(United States)</b>                                                                                                       |                                         |                                                | X                                                      |        |     |        |      |                                                                                       |     |      |     |       |                                       |
| TISX CHRISTIANSTED/Henry E. Rohlsen, St. Croix<br>RS                                                                                            | 09<br>27                                | PA1<br>NPA                                     |                                                        | X<br>X | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |
| TIST SAINT THOMAS/Cyril E. King<br>RS                                                                                                           | 10<br>28                                | PA1<br>NINST                                   |                                                        | X      | X   | X<br>X |      | X                                                                                     |     |      |     | X     |                                       |

**Table AIS 7 — Tableau AIS 7 — Tabla AIS 7****PRODUCTION RESPONSIBILITY FOR SHEETS OF THE  
WORLD AERONAUTICAL CHART — ICAO 1:1 000 000****FRENCH TEXT****RESPONSABILIDAD DE LA PRODUCCIÓN DE LAS HOJAS DE  
LA CARTA DE AERONÁUTICA MUNDIAL - OACI 1:1 000 000**

## EXPLANATION OF THE TABLE

*Column*

|   |                                                                                                             |
|---|-------------------------------------------------------------------------------------------------------------|
| 1 | Name of State accepting production responsibility                                                           |
| 2 | World Aeronautical Chart — ICAO 1:1 000 000 sheet number(s) for which production responsibility is accepted |
| 3 | Remarks                                                                                                     |

## EXPLICATION DU TABLEAU

## EXPLICACIÓN DE LA TABLA

*Column*

|   |                                                                                                                    |
|---|--------------------------------------------------------------------------------------------------------------------|
| 1 | Nombre del Estado que acepta la responsabilidad de la producción                                                   |
| 2 | Carta aeronáutica mundial — OACI 1:1 000 000, número de las hojas por cuya producción se acepta la responsabilidad |
| 3 | Observaciones                                                                                                      |

---



| State<br>French text<br>Estado | Sheet number(s)<br>French text<br>Números de las hojas                                                                                                                                                                                   | Remarks<br>Remarques<br>Observaciones                                                                                                                                                                                                 |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Argentina                      | 3259, 3260, 3314, 3315, 3316, 3381, 3382, 3383, 3434, 3435, 3436, 3490, 3491, 3492, 3537, 3538, 3585, 3625, 3627, 3668, 3672, 3699, 3737, 3738, 3762, 3789                                                                               |                                                                                                                                                                                                                                       |
| Bolivia                        | 3193                                                                                                                                                                                                                                     | Will be published in the future./Se publicará más adelante                                                                                                                                                                            |
| Brazil                         | 2826, 2892, 2893, 2894, 2895, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 3013, 3014, 3015, 3016, 3017, 3018, 3066, 3067, 3068, 3069, 3070, 3071, 3137, 3138, 3139, 3140, 3141, 3189, 3190, 3191, 3192, 3261, 3262, 3263, 3265, 3313, 3384 |                                                                                                                                                                                                                                       |
| Chile                          | 3194, 3258, 3317, 3381, 3436, 3437, 3490, 3538, 3585, 3627, 3668, 3737, 3762, 3789                                                                                                                                                       |                                                                                                                                                                                                                                       |
| Colombia                       | 2769, 2770, 2828, 2829, 2890, 2891*                                                                                                                                                                                                      | *Only to cover its own territory./Solo para cubrir su propio territorio                                                                                                                                                               |
| Cuba                           | 2585, 2586, 2587                                                                                                                                                                                                                         |                                                                                                                                                                                                                                       |
| Dominican Republic             | 2648                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                       |
| Ecuador                        | 2888, 2890*, 2951, 2953                                                                                                                                                                                                                  | *Only to cover its own territory./Solo para cubrir su propio territorio                                                                                                                                                               |
| El Salvador                    | 2710*                                                                                                                                                                                                                                    | *Only to cover its own territory./Solo para cubrir su propio territorio                                                                                                                                                               |
| France                         | 2825                                                                                                                                                                                                                                     | Chart at 1: 740 000 covering French Guiana is published./Se publica la carta al 1: 7400 000, cubriendo la Guayana Francesa.                                                                                                           |
| Haiti                          | 2647                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                       |
| Honduras                       | 2710                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                       |
| Mexico                         | 2471, 2472, 2520, 2521, 2588, 2589, 2590, 2591, 2642, 2643, 2644, 2645                                                                                                                                                                   |                                                                                                                                                                                                                                       |
| Nicaragua                      | 2709, 2768                                                                                                                                                                                                                               |                                                                                                                                                                                                                                       |
| Panama                         | 2769, 2830                                                                                                                                                                                                                               | Covered by Aeronautical Chart - ICAO 1:500 000, to cover its own continental territory and territorial waters./Cubierta por la Carta aeronáutica — OACI 1:500 000, para cubrir su propio territorio continental y aguas territoriales |
| Paraguay                       | 3260, 3314                                                                                                                                                                                                                               |                                                                                                                                                                                                                                       |
| Peru                           | 2950*, 3011*, 3012, 3072, 3073*, 3135*, 3136*, 3194*                                                                                                                                                                                     | * Will be published in the future./Se publicará más adelante.                                                                                                                                                                         |
| United Kingdom                 | 2646, 2705, 3499, 3530, 3672**, 3699**, 3737**, 3738**, 3762**, 3789**                                                                                                                                                                   | ** These charts are also published by Argentina./Estas cartas también son publicadas por la Argentina                                                                                                                                 |
| Uruguay                        | 3434*                                                                                                                                                                                                                                    | * Will be published in the future./Se publicará más adelante                                                                                                                                                                          |
| Venezuela                      | 2707, 2770, 2771, 2772, 2827, 2828                                                                                                                                                                                                       | With modified sheetlines and covering its own territory only./Con los límites de las hojas modificados y cubriendo solamente su propio territorio.                                                                                    |

*Note.— In those instances where the production responsibility for certain sheets has been accepted by more than one State, these States by mutual agreement should define limits of responsibility for those sheets.*

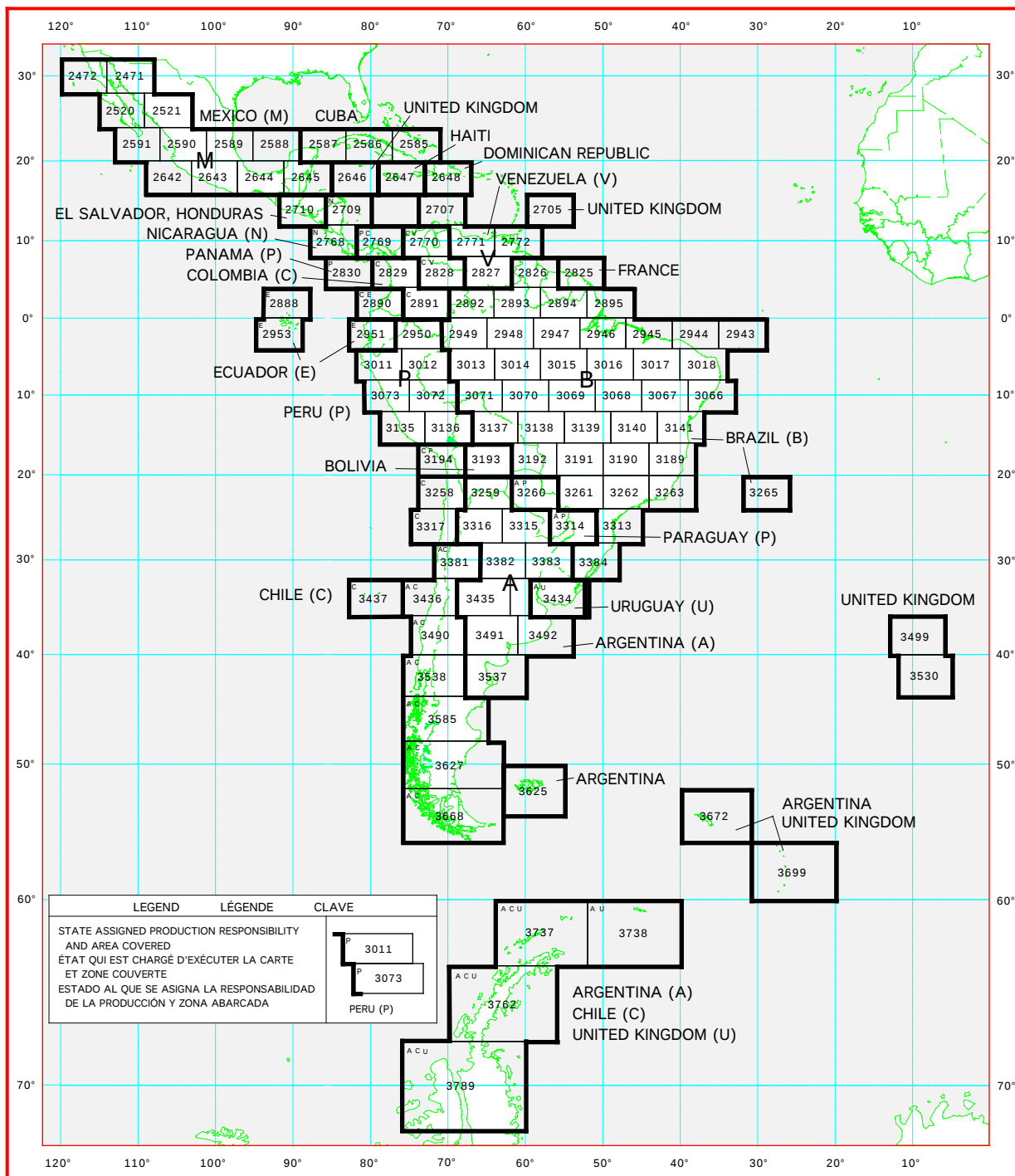
*Nota.— En aquellos casos en que la responsabilidad de producir ciertas hojas haya sido aceptada por más de un Estado,*

*dichos Estados deberían definir, por mutuo acuerdo, sus ámbitos respectivos de responsabilidad con respecto a las hojas de que se trate.*

SHEET LAYOUT AND PRODUCTION RESPONSIBILITY FOR WORLD AERONAUTICAL CHART - ICAO 1:1 000 000  
 TABLEAU D'ASSEMBLAGE ET RESPONSABILITÉ DE L'EXÉCUTION DES FEUILLES DE LA CARTE AÉRONAUTIQUE DU MONDE AU 1:1 000 000 - OACI  
 DISPOSICIÓN DE LAS HOJAS Y RESPONSABILIDAD DE LA PRODUCCIÓN DE LA CARTA AERONÁUTICA MUNDIAL OACI 1:1 000 000

CAR/SAM FASID

CHART AIS 2



## Table AIS 8 — Tableau AIS 8 — Tabla AIS 8

### REQUIREMENTS OF THE INTEGRATED AERONAUTICAL INFORMATION PACKAGE

#### FRENCH TEXT

#### REQUISITOS DEL PAQUETE INTEGRADO DE INFORMACIÓN AERONÁUTICA

#### EXPLANATION OF THE TABLE

*Column*

|    |                                                                                                   |
|----|---------------------------------------------------------------------------------------------------|
| 1  | Name of State or Territory                                                                        |
| 2  | Availability of AIP (see Remarks)                                                                 |
| 3  | AIP Amendment issued at regular intervals or publication date                                     |
| 4  | AIP Amendment — issued in accordance with AIRAC procedures                                        |
| 5  | AIP Amendment — NIL notification issued when Amendment not published                              |
| 6  | AIP Supplement — issued regularly                                                                 |
| 7  | AIP Supplement — issued in accordance with AIRAC procedures                                       |
| 8  | NIL Notification when AIP Supplement not issued on the AIRAC effective date previously published. |
| 9  | AIC published as required                                                                         |
| 10 | NOTAM issued on regular basis in accordance with the NOTAM Format                                 |
| 11 | Trigger NOTAM issued as required (Annex 15, 5.1.1.2)                                              |
| 12 | Checklist of NOTAM issued as required (Annex 15, 5.2.8, 5.2.8.1, 5.2.8.2)                         |
| 13 | Monthly printed plain language summary of NOTAM issued as required (Annex 15, 5.2.8.3)            |
| 14 | AIRAC system implemented as required                                                              |
| 15 | NIL notifications issued as required                                                              |

---

- 16      Remarks  
(Indicate if AIP is available in the restructured format and if not, expected date of implementation)

## EXPLICATION DU TABLEAU

## EXPLICACIÓN DE LA TABLA

*Columna*

- |    |                                                                                                                                   |
|----|-----------------------------------------------------------------------------------------------------------------------------------|
| 1  | Nombre del Estado o territorio                                                                                                    |
| 2  | Disponibilidad de AIP (véase Observaciones)                                                                                       |
| 3  | Enmienda AIP expedida a intervalos regulares o fecha de publicación                                                               |
| 4  | Enmienda AIP expedida con arreglo a procedimientos AIRAC                                                                          |
| 5  | Enmienda AIP — Notificación NIL expedida cuando la enmienda no se publica                                                         |
| 6  | Suplemento AIP expedido regularmente                                                                                              |
| 7  | Suplemento AIP expedido con arreglo a procedimientos AIRAC                                                                        |
| 8  | Notificación NIL cuando el Suplemento AIP no se expide en la fecha de entrada en vigor AIRAC previamente publicada                |
| 9  | AIC publicada según sea necesario                                                                                                 |
| 10 | NOTAM expedido regularmente con arreglo al formato NOTAM                                                                          |
| 11 | Iniciador NOTAM expedido según sea necesario (Anexo 15, 5.1.1.2)                                                                  |
| 12 | Lista de verificación de NOTAM expedida según sea necesario (Anexo 15, 5.2.8, 5.2.8.1, 5.2.8.2)                                   |
| 13 | Resumen mensual impreso en lenguaje claro de los NOTAM expedido según sea necesario (Anexo 15, 5.2.8.3)                           |
| 14 | Sistema AIRAC implantado según sea necesario                                                                                      |
| 15 | Notificaciones NIL expedidas según sea necesario                                                                                  |
| 16 | Observaciones (indíquese si la AIP está disponible en formato reestructurado y, de no ser así, la fecha prevista de implantación) |





[illegible]

[illegible]

## **Appendix**

### **SUMMARY OF AMENDMENTS TO THE FASID**

*Approved by the President on behalf of the Council*

*(To be published with subsequent amendments)*