



**Agenda Item 3: Performance framework for Regional Air Navigation Planning and Implementation**

**3.2 AERMET/SG/10 meeting report**

(Presented by the Secretariat)

**SUMMARY**

This working paper summarizes the results of the discussions carried out during the Ninth Meeting of the GREPECAS Aeronautical Meteorology Subgroup (AERMETSG/9).

**References**

- Report of the AERMETSG/10 Meeting, (Buenos Aires, Argentina, 19 to 23 October 2009);
- Air Navigation Plan for the Caribbean and South American Regions, Doc 8733;
- Report of GREPECAS/15 Meeting (Rio de Janeiro, Brazil, 13 to 17 October 2008); and
- GREPECAS Procedural Handbook.

**1. Introduction**

1.1 The Tenth Meeting of the GREPECAS Aeronautical Meteorology Subgroup (AERMETSG/10) was held in Buenos Aires, Argentina, from 19 to 23 October 2009. The meeting was attended by three States from the CAR Region, 10 States from the SAM Region, as well as IFALTA and UALA airline, totaling 29 participants.

1.2 The Subgroup formulated fifteen (15) Draft Conclusions and one (1) Draft Decision included as **Appendix A** to this working paper, which were approved by GREPECAS “Fast track” procedure on 20 July 2010. Five (5) Decisions were also formulated, which require internal actions by the Subgroup.

## 2. Discussion

### 2.1 Review of actions taken on MET Meetings Reports

2.1.1 The meeting examined the actions taken by the Air Navigation Commission (ANC), by CAR/SAM States/International Organizations and/or by the ICAO Secretariat, regarding Draft Conclusions/Decisions formulated by the Ninth Meeting of the Aeronautical Meteorology Subgroup (AERMETSG/9) held in Lima, Peru, from 23 to 27 June 2008, and the respective Conclusions/Decisions adopted by GREPECAS/15 (Rio de Janeiro, Brazil, 1-17 October 2008). Also, the actions taken with regard to Conclusions/Decisions, pending implementation, adopted by GREPECAS in the MET field in past meetings were reviewed.

### 2.2 Implementation of the World Area Forecast System (WAFS)

2.2.1 The meeting noted that the new forecasts for CB clouds, icing and turbulence in the GRIB 2 code form would be available in the ISCS and SADIS FTP services by March 2010. It was also noted that the WAFSOPSG/5 agreed that a new deliverable entitled “Migration plan to the NextGen/SESAR” should be added to its work programme (Conclusion 5/20), to take account of the influence of such concepts as “4-dimensional weather data cube” and “single authoritative source” included in the United States Federal Aviation Administration (FAA) NextGen/EUROCONTROL SESAR programmes.

### 2.3 Implementation of the International Airways Volcano Watch (IAVW)

2.3.1 The meeting was also provided with updated information about the plan by the ISCS Provider State to replace its second-generation ISCS (ISCS-G2), since the existing service contract for the ISCS-G2 could not be extended beyond 2012. It was also noted that the future methods of dissemination of WAFS forecasts and OPMET data had not been established and that two scenarios were envisaged:

- a) use of a combination of the third-generation ISCS (ISCS-G3) and an Internet-based service called “WAFS Internet File Server (WIFS)”;
- b) exclusive use of the WIFS.

2.3.2 Under the ISCS Provider State proposal, the WIFS would allow States, through the use of the Public Internet, to have access to all WAFS forecasts and OPMET data currently available through the ISCS and that in view of the cost effectiveness of Internet-based distribution systems, both for the service provider and users, the WIFS will be implemented by the ISCS Provider State not later than March 2010. In this context, users would be responsible for arranging their own access to the public internet, and also for any required modifications to WAFS workstation software necessary to download WAFS products.

2.3.3 The meeting noted with satisfaction that the migration to the WIFS was beneficial for WAFS implementation, but that the States should take the necessary actions to ensure the availability of the Internet (**Draft Conclusion 10/1**) and the ISCS Provider State was invited to extend the ISCS-G2 service until 30 June 2012 and provide an operational WAFS Internet File Server (WIFS) no later than March 2010 (**Draft Conclusion 10/2**), as well as to consider the possibility of providing the WIFS User Guide also in Spanish (**Draft Conclusion 10/03**).

2.3.4 Finally, the Subgroup emphasized the support among the States for WAFS implementation, and the improvement of MET services in general, through technical visits, as a follow up to GREPECAS Conclusion 9/10.

## 2.4 **Implementation of the International Airways Volcano Watch (IAVW)**

2.4.1 The meeting highlighted the work of the IAVW in keeping up-to-date Doc 9766, *Handbook on the International Airways Volcano Watch (IAVW) - Operational Procedures and Contact List*, and agreed in the need to have Doc 9766 available in Spanish and if this could not be possible, the Secretariat could develop guidance on the international airways volcano watch (**Draft Conclusion 10/04**).

## 2.5 **Implementation of SIGMET**

2.5.1 Under this agenda item, the Meeting took note that the main task of the ICAO Meteorological Warning Study Group (METWSG) is to review the current provisions in Annex 3 – *Meteorological Services for International Air Navigation* concerning the content and issuance of SIGMET to meet the evolving needs of flight operations and with a view to resolving the persistent implementation problems. In addition, the Group assesses the need to develop criteria for the provision of warnings for rotor zones in the terminal area and the need to provide information on low-level temperature inversions.

2.5.2 Based on the global monitoring presented in the Thirteenth Meeting of the Satellite Distribution Systems Operations Group (SADISOPSG/13, May 2008), by which only 29 per cent of the samples during a 14-day period had comply with the requirement of identification of the FIR, the Subgroup agreed that when the Brasilia International OPMET Databank carries out the four annual controls of OPMET information, priority should be given to SIGMET errors and, as included in their procedures, send this information to the SAM Office for its further submission to the States concerned (**Draft Conclusion 10/05**).

2.5.3 In view that in the Second Meeting of the Meteorological Warning Study Group (METWSG/2), carried out from 19 to 21 May 2009 in Montreal, Canada, it was recalled that in ICAO Operations Groups and Study Groups in Montreal all ICAO Regions are represented, but sometimes States do not send their experts, the Subgroup agreed to encourage States to make the maximum efforts for them to participate in the meetings (**Draft Conclusion 10/06**).

2.5.4 Following Conclusion 15/12 – Back-up MWOs in the CAR/SAM States, the meeting reviewed, updated and approved the backup list prepared by ICAO NACC and SAM Regional Offices, included as **Appendix B** to this working paper, in order to include them in the CAR/SAM SIGMET Guide (**Draft Conclusion 10/07**).

2.5.5 In addition, the Subgroup considered that in order to keep a constant feedback and efficiency in the issuance of volcanic ash SIGMET, starting 2010, States, in coordination with the corresponding VAACs, should carry out the SIGMET WV test during the month of September and that the test should have a duration of 48 hours (**Draft Conclusion 10/08**).

## 2.6 **Exchange of OPMET information**

2.6.1 The meeting initiated the discussions on this agenda item reviewing the analysis of the results of the OPMET exchange controls carried out between 10 to 16 June 2008 and 2009 in the States of the CAR/SAM Regions participating in the control and those of which information was received and agreed that the several actions should be taken to improve it (**Draft Conclusion 10/09**).

2.6.2 After receiving information from the participants and the Secretariat, the meeting considered, once again, that the deficiencies observed in the availability of OPMET information are not only linked to the meteorological side and its procedures, but rather to the part of communications and/or automated systems.

2.6.3 Following GREPECAS Conclusion 13/28, the meeting examined and approved the CAR/SAM Guide for OPMET Exchange, which is included as **Appendix C** to this working paper (**Draft Conclusion 10/10**).

2.6.4 The meeting took note that currently several States/Territories of the CAR/SAM Regions have AMHS systems installed, that others are in the installation process. In this regard, it was agreed that with the implementation of AMHS systems, the States should consider the implementation of PC terminals in the meteorological units with international OPMET requirements in order to continue compliance with GREPECAS Conclusion 6/33 (**Draft Conclusion 10/11**).

2.6.5 The meeting also recognized that the implementation of the new formats foreseen for the transmission of OPMET information and the dissemination of graphical SIGMETs will be facilitated with the implementation of the AMHS systems. In this regard, States having AMHS systems installed could evaluate the transmission of this type of SIGMETs as part of the trials to interconnect AMHS system.

## 2.7 **Review of the CAR/SAM ANP/FASID, Part VI – MET**

2.7.1 The meeting reviewed regional meteorological procedures indicated in Part VI – Meteorology of the CAR/SAM ANP Basic/FASID (Doc 8733), in accordance with the structure of the current practices of the operational requirements in the CAR/SAM Regions and proposed amendments to CAR/SAM FASID Tables MET 1A and MET 2A, which are included as **Appendix D** to this working paper. In addition, it was agreed that with the Global MET Database – Tables MET 1A and MET 2A, the inclusion of Table MET 2B in the CAR/SAM FASID was no longer required. In this regard, the Subgroup agreed to exclude this Table from CAR/SAM FASID Part VI – MET, and include it as an Appendix to the CAR/SAM Guide for OPMET Exchange (**Draft Conclusion 10/12**).

## 2.8 **Regional MET requirements for ATM**

2.8.1 The meeting acknowledged that the global ATM system will emerge through the implementation of many initiatives by States over several years. The set of global planning initiatives (GPIs) contained in the Global Plan are meant to facilitate and harmonize the work already underway within the regions and States so as to bring needed benefits to aircraft operators over the near and medium terms. For the long term, ICAO will continue to develop newer initiatives on the basis of the Operational Concept and subsequently these will be placed in the Global Plan.

2.8.2 In this regard, and following GREPECAS Conclusion 15/1 regarding the need to have a clearly defined strategy to implement ATM systems as well as to align work programmes of the States, regions and ICAO Headquarters, the Subgroup identified the regional performance objectives in the MET field, which are included as **Appendix E** to this working paper (**Draft Conclusion 10/13**).

## 2.9 **Aeronautical Meteorological Information (MET) and Air Traffic Management (ATM)**

2.9.1 The meeting noted that the concept of a 4-D weather database is one of the key components to the Next Generation Air Transportation System (NextGen) in the United States, as well as

SESAR (Single European Sky Air Traffic Management (ATM) Research) in Europe. NextGen and SESAR plans will require MET data in four dimensions (space and time) for all phases of flight. WAFS has the potential to initially provide most of the required elements. Amendment 75 to Annex 3 makes for the provision of upper wind, temperature, geopotential altitude, flight levels and temperature of tropopause, maximum wind, turbulence, icing and cumulonimbus (CB) cloud in gridded form. All the above elements will be provided in 4 dimensions (x,y,z,t) with a greater space (1.25 degrees) and time (every 3 hours).

2.9.2 The WAFS 4-D Weather Database is best suited for medium and longer term ATM and flight planning, e.g., from 6 hours to 36 hours. For the WAFS 4-D Weather to serve shorter term ATM (less than 6 hours), as well as NextGen and SESAR, will require higher resolution scales in all four dimensions, as well as more data sets in addition to the basic elements of the WAFS database described above.

2.9.3 The Subgroup also took note that future global ATM will be machine to machine exchange of weather information into decision support tools and that the information available on this matter can be used to develop a manual on weather functionality in support of ATFM.

2.9.4 The MET community needs to work with ATFM to understand their operational requirements for meteorological service and agreed that a report to identify the training requirements in the CAR/SAM Regions and the guidelines that are needed in fully integrating weather into ATFM should be prepared.

2.9.5 In this context, the Subgroup agreed to carry out a seminar/workshop with the purpose of developing a list of possible regional MET requirements in support of ATM for the CAR/SAM Regions (**Draft Conclusion 10/14**).

## 2.10 **Implementation of MET quality system**

2.10.1 In this regard, the meeting recalled that proposal for amendment to Annex 3 addresses, among others, provisions related to quality management systems and that during its ninth meeting (AERMETSG/9) Decision 9/22 - Establishment of the MET Quality Management Task Force was formulated, with the main task of developing, in coordination with the Secretariat, a draft Guide with the procedures and instructions for MET service in line with Standard ISO 9000 and Doc 9873 - *Manual on the Quality Management System for the Provision of Meteorological Service to International Air Navigation*.

2.10.2 In addition, the Subgroup noted that Project RLA/06/901, which objective is to assist nine (9) States of the SAM Region participating in the project in the implementation of the ATM operational concept and the corresponding technological support in communications, navigation and surveillance (CNS), has considered Aeronautical Meteorology (MET), reason for which the development of the complete Guide will be made within the framework of this project.

2.10.3 With regard to the CAR Region, letters N 1-8.4.16 – EMX0908 dated 21 September 2009 and LT 13/12.5 – SA678 dated 29 September 2009 were sent to English speaking CAR/SAM States, inviting them to participate in the Seminar/Workshop on the Meteorological Services for Air Navigation for the NAM/CAR/SAM Regions, “*Development of a Quality Assurance System for the enhancement of the Aeronautical Meteorological Service*” (Montego Bay, Jamaica, 25-27 November 2009), in English only.

2.10.4 Regarding proposal for Amendment 75 to Annex 3, to be effective on 18 November 2010, the meeting agreed on the need that the States take appropriate actions well in advance for its implementation (**Draft Conclusion 10/21**).

3. **Action by the Group**

3.1 The Group is invited to review the contents of this working paper and Draft Conclusions included in Appendix A.

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**APPENDIX A**

**DRAFT CONCLUSIONS AND DECISIONS FORMULATED BY THE AERMETSG/10  
MEETING**

**DRAFT  
CONCLUSION 10/01                    MIGRATION FROM ISCS-G2 TO WIFS**

That, taking into consideration the proposed migration from ISCS-G2 to WIFS, ICAO encourages States to take appropriate measures to obtain access using the WIFS to the WAFS products provided by WAFC Washington.

**DRAFT  
CONCLUSION 10/02                    TRANSITION OF ISCS-G2 AND IMPLEMENTATION OF THE  
WAFS FILE SERVER**

That, with the goal of providing to the users enough time to undertake an orderly transition, the WAFC Washington Provider State is invited to:

- a) extend the service ISCS-G2 until 30 June 2012; and
- b) provide an operational WAFS Internet File Server (WIFS) no later than March 2010.

**DRAFT  
CONCLUSION 10/03                    WIFS USER GUIDE**

That,

- a) the WAFC Washington Provider State be invited to consider the possibility of providing the WIFS User Guide also in Spanish; and
- b) if the request in paragraph a) is not possible, ICAO take the necessary actions for the translation of the referred guide.

**DRAFT  
CONCLUSION 10/04                    GUIDE ON THE INTERNATIONAL AIRWAYS VOLCANO  
WATCH (IAVW)**

That the Secretariat develops regional guidance in Spanish, to explain the contents of Doc 9766, *Handbook on the International Airways Volcano Watch (IAVW) – Operational Procedures and Contact List*.

**DRAFT  
CONCLUSION 10/05                    MONITORING OF SIGMET RECEIVED IN BRASILIA  
INTERNATIONAL OPMET DATABANK**

That, in the controls of OPMET information carried out by the Brasilia International Databank:

- a) priority is given to the analysis of most common errors in the headings of SIGMET;
- b) the results be sent to ICAO SAM Office; and
- c) ICAO Lima and Mexico offices submit the monitoring results to the corresponding States for them to take the pertinent actions to correct the deficiencies detected.

**DRAFT  
CONCLUSION 10/06                    PARTICIPATION OF STATES' MEMBERS IN THE MEETINGS  
OF ICAO OPERATIONS GROUPS OR STUDY GROUPS IN  
MONTREAL**

That, States that have experts in ICAO Operations Groups and Study Groups in Montreal are encouraged to make the maximum efforts for them to participate in the meetings.

**DRAFT  
CONCLUSIÓN 10/07                    BACK-UP MWOs IN THE CAR/SAM STATES**

That,

- a) in order to comply with paragraph 14 of ANP Basic, Part VI – MET, if a MWO is temporarily not functioning another could face its obligations, the back-up list included as **Appendix XX**<sup>1</sup> to this part of the report should be taken into account;
- b) the Secretariat make the necessary updates to CAR/SAM Regional SIGMET Guide.

**DRAFT  
CONCLUSION 10/08                    SIGMET WV TESTS**

That, in order to keep a constant feedback and efficiency in the issuance of volcanic ash SIGMET, starting 2010, the States, in coordination with the corresponding VAACs, carry out the SIGMET WV test during the month of September. The test should have a duration of 48 hours.

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<sup>1</sup> Corresponds to Appendix B to WP/08.

**DRAFT  
CONCLUSION 10/09                      FORMAT FOR OPMET INFORMATION EXCHANGE  
CONTROLS**

That, in order to improve the OPMET exchange:

- a) the name of “coordinate controls of OPMET exchange for the CAR/SAM Regions” be changed to “COM/MET coordinated controls of OPMET exchange for the CAR/SAM Regions”; and
- b) the format for the controls of OPMET exchange be modified, in the sense of having one format for METAR and TAF exchange controls and SPECI reception on the basis of CAR/SAM FASID Table MET 2B, and another for the reception SIGMET and special air-reports, on the basis of Appendix I to the *Guide for the preparation, dissemination and use of SIGMET information in the CAR/SAM Regions*, including in the latter the ATS unit location indicators providing services to the FIR, UIR and SRR.

*Note. – The Secretariat will prepare the format that should be used starting the next control.*

**DRAFT  
CONCLUSION 10/10                      CAR/SAM GUIDE FOR OPMET EXCHANGE**

That in order to enable the application of ICAO procedures for OPMET information exchange, the States use the CAR/SAM Guide for OPMET Exchange included in **Appendix XX**<sup>2</sup> to this part of the report.

**DRAFT  
CONCLUSION 10/11                      INSTALLATION OF AMHS USER TERMINALS IN  
METEOROLOGICAL UNITS WITH INTERNATIONAL  
OPMET REQUIREMENT**

That the corresponding States, when implementing the new AMHS system in substitution of the current AFTN system, take into consideration the installation of AMHS user terminals in the MET units of the States that have international OPMET requirements, in order to increase the availability of OPMET information and to comply with GREPECAS Conclusion 6/33.

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<sup>2</sup> Corresponds to Appendix C to WP/08.

**DRAFT**  
**CONCLUSION 10/12**                    **AMENDMENT TO CAR/SAM ANP BASIC AND FASID,**  
**PART VI - MET**

That,

- a) Part VI – MET of CAR/SAM ANP Basic and FASID Tables MET 1A and MET 2A are amended as shown in **Appendix XX**<sup>3</sup> to this part of the report; and
- b) Table MET 2B of the CAR/SAM Facilities and Services Implementation Document (FASID):
  - i. be eliminated from CAR/SAM FASID; and
  - ii. be included as an Appendix to the CAR/SAM Guide for OPMET exchange.

**DRAFT**  
**CONCLUSION 10/13**                    **CAR/SAM MET REGIONAL PERFORMANCE OBJECTIVES**

That, the CAR/SAM MET Regional Performance Objectives and associated performance framework forms as contained in **Appendix XX**<sup>4</sup> to this part of the report are adopted.

**DRAFT**  
**CONCLUSION 10/14**                    **ATM/MET SEMINAR/WORKSHOP**

That, in order to develop a list of possible MET requirements in support of ATM for the CAR/SAM Regions, ICAO, in coordination with WMO, conducts a Seminar/Workshop for the CAR/SAM Regions.

**DRAFT**  
**CONCLUSION 10/21**                    **UPDATED COURSE ON AMENDMENT 75 TO ANNEX 3 FOR**  
**MET AND ATS PERSONNEL**

That the States plan an update course on Amendment 75 to Annex 3 for MET and ATS personnel, once they receive from ICAO the approval of the referred amendment.

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<sup>3</sup> Corresponds to Appendix D to WP/08.

<sup>4</sup> Corresponds to Appendix E to WP/08.

## APPENDIX B

## BACK-UP METEOROLOGICAL WATCH OFFICE (MWO)

Meteorological Watch Office	ICAO Location Ind.	Back-up Meteorological Watch Office	ICAO Location Ind.
<b>ARGENTINA</b>		<b>ARGENTINA</b>	
BUENOS AIRES/Aeroparque, Jorge Newbery	SABE	COMODORO RIVADAVIA/General Mosconi	SAVC
COMODORO RIVADAVIA/General Mosconi	SAVC	BUENOS AIRES/Aeroparque, Jorge Newbery	SABE
CORDOBA/Ing. Aer. A.L. Taravela	SACO	RESISTENCIA/Resistencia	SARE
MENDOZA/El Plumerillo	SAME	BUENOS AIRES/Aeroparque, Jorge Newbery	SABE
RESISTENCIA/Resistencia	SARE	CORDOBA/Ing. Aer. A.L. Taravela	SACO
<b>BOLIVIA</b>		<b>PERÚ</b>	
LA PAZ/El Alto Intl	SLLP	LIMA-CALLAO/Jorge Chávez Intl	SPIM
<b>BRAZIL</b>		<b>BRAZIL</b>	
BRASILIA/CINDACTA I	SBBS	MANAUS/CINDACTA IV	SBAZ
CURITIBA/CINDACTA II	SBCW	RECIFE/CINDACTA III	SBRE
RECIFE/CINDACTA III	SBRE	CURITIBA/CINDACTA II	SBCW
MANAUS/CINDACTA IV	SBAZ	BRASILIA/CINDACTA I	SBBS
<b>CHILE</b>		<b>CHILE</b>	
ANTOFAGASTA/Cerro Moreno	SCFA	SANTIAGO/Arturo Merino Benítez	SCEL
PUERTO MONTT/El Tepual	SCTE	SANTIAGO/Arturo Merino Benítez	SCEL
PUNTA ARENAS/Pdte. C. Ibáñez del Campo	SCCI	SANTIAGO/Arturo Merino Benítez	SCEL
SANTIAGO/Arturo Merino Benítez	SCEL	PUERTO MONTT/El Tepual	SCTE
<b>COLOMBIA</b>		<b>PANAMÁ</b>	
BOGOTÁ/Eldorado	SKBO	PANAMA/Tocumen Intl	MPTO
<b>CUBA</b>		<b>UNITED STATES</b>	
HABANA/José Martí Intl	MUHA	Kansas City Aviation Weather Center	KKCI
<b>DOMINICAN REPUBLIC</b>		<b>UNITED STATES</b>	
SANTO DOMINGO/De Las Américas Intl	MDSB	Kansas City Aviation Weather Center	KKCI
<b>ECUADOR</b>		<b>BOLIVIA</b>	
GUAYAQUIL/José Joaquín de Olmedo	SEGU	LA PAZ/El Alto Intl	SLLP
<b>FRENCH GUIANA (France)</b>		<b>FRENCH GUIANA (France)</b>	
CAYENNE/Rochambeau	SOCA	PORT OF SPAIN/Piarco Intl, Trinidad I.	TTPP
<b>GUYANA</b>		<b>TRINIDAD AND TOBAGO</b>	
TIMEHRI/Cheddi Jagan Intl	SYCJ	PORT OF SPAIN/Piarco Intl, Trinidad I.	TTPP
<b>HAITI</b>		<b>JAMAICA</b>	
PORT-AU-PRINCE/Port-au-Prince Intl	MTPT	KINGSTON/Norman al Manley Intl	MKJP
<b>HONDURAS</b>		<b>PANAMA</b>	
TEGUCIGALPA/Toncontin Intl	MHTG	PANAMA/Tocumen Intl	MPTO
<b>JAMAICA</b>		<b>UNITED STATES</b>	
KINGSTON/Norman al Manley Intl	MKJP	Kansas City Aviation Weather Center	KKCI
<b>MEXICO</b>		<b>UNITED STATES</b>	
MEXICO/Lic. Benito Juárez Intl	MMMX	Kansas City Aviation Weather Center	KKCI
<b>NETHERLANDS ANTILLES (Netherlands)</b>		<b>JAMAICA</b>	
WILLEMSTAD/Hato, Curaçao I.	TNCC	KINGSTON/Norman al Manley Intl	MKJP
<b>PANAMA</b>		<b>COLOMBIA</b>	
PANAMA/Tocumen Intl	MPTO	BOGOTÁ/Eldorado	SKBO
<b>PARAGUAY</b>		<b>ARGENTINA</b>	
ASUNCION/Silvio Pettrossi	SGAS	RESISTENCIA/Resistencia	SARE

<b>Meteorological Watch Office</b>	<b>ICAO Location Ind.</b>	<b>Back-up Meteorological Watch Office</b>	<b>ICAO Location Ind.</b>
<b>PERU</b>		<b>BRAZIL</b>	
LIMA-CALLAO/Jorge Chávez Intl	SPIM	MANAUS/CINDACTA IV	SBAZ
<b>SURINAME</b>		<b>TRINIDAD AND TOBAGO</b>	
ZANDERY/Johan Adolf Pengel Intl	SMJP	PORT OF SPAIN/Piarco Intl, Trinidad I.	TTPP
<b>TRINIDAD AND TOBAGO</b>		<b>UNITED STATES</b>	
PORT OF SPAIN/Piarco Intl, Trinidad I.	TTPP	Kansas City Aviation Weather Center	KKCI
<b>UNITED STATES</b>			
Kansas City Aviation Weather Center	KKCI		
<b>URUGUAY</b>		<b>ARGENTINA</b>	
MONTEVIDEO/Carrasco Intl Gral. Cesáreo L. Berisso	SUMU	BUENOS AIRES/Aeroparque, Jorge Newbery	SABE
<b>VENEZUELA</b>		<b>BRAZIL</b>	
CARACAS/Simon Bolivar Intl, Maiquetia	SVMI	MANAUS/CINDACTA IV	SBAZ

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**APPENDIX C**

**GUIDE**  
**FOR THE PREPARATION AND TRANSMISSION**  
**OF OPMET INFORMATION**  
**IN THE CAR/SAM REGIONS**

**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

**SOUTH AMERICAN OFFICE**

**GUIDE**

**FOR THE PREPARATION AND TRANSMISSION**

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**FIRST EDITION**

**SEPTEMBER 2010**



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**(SEPTEMBER 2010)**

The designations employed and the presentation of material in this publication do not imply the expression of any opinion whatsoever on the part of ICAO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitations of its frontiers or boundaries

### RECORD OF AMENDMENTS AND CORRIGENDA

Amendment				Corrigenda			
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# GUIDE FOR THE PREPARATION AND TRANSMISSION OF OPMET INFORMATION IN THE CAR/SAM REGIONS

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- C.** CAR/SAM FASID TABLE MET 2A - OPMET INFORMATION (METAR, SPECI AND TAF) REQUIRED IN ISCS AND SADIS
- D.** REGIONAL EXCHANGE OF OPERATIONAL METEOROLOGICAL INFORMATION WITHIN THE CAR/SAM REGIONS
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- F.** EDIS ACCESS REQUEST FORM
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- I.** WEB SITE WHERE AERONAUTICAL METEOROLOGICAL INFORMATION CAN BE FOUND
- J.** FORMAT FOR OPMET EXCHANGE

## Glossary of Abbreviations

ACC.....	Area Control Centre
AFS .....	Aeronautical fixed service
AFTN .....	Aeronautical fixed telecommunications network
AIREP .....	Air-report
AMD .....	Amended (for TAF)
AMHS .....	ATS Message Handling System
AMO .....	Aerodrome meteorological office
AMS .....	Aeronautical meteorological station
ANP .....	Air Navigation Plans
AOP .....	Aerodrome Operations
ARS .....	Special Air-report indicator
ATS .....	Air traffic services
BUFR .....	Binary Universal Formats to Represent
CAR.....	Central America and Caribbean Region
COM .....	Communications
CTA .....	Control area
FASID .....	Facilities and services implementation document
FIR .....	Flight information region
GREPECAS .....	CAR/SAM Regional Planning and Implementation Group
HF .....	High frequencies
ICD .....	Interface control document
ISCS .....	International satellite communication system
MWO .....	Meteorological watch office
OPMET .....	Operational meteorological
PIRG.....	Planning and implementation regional group
SADIS .....	Satellite distribution systems
SAM.....	South American Region
TC .....	Tropical cyclone
TCA .....	Tropical cyclone advisory
TCAC .....	Tropical cyclone advisory centre
VA .....	Volcanic ash
VAA .....	Volcanic ash advisory
VAAC .....	Volcanic ash advisory centre
WAFc .....	World area forecast centre
WAFS.....	World area forecast system
WMO .....	World Meteorological Organization



## **PART 1 INTRODUCTION**

### **1.1 General**

1.1.1 The main objective of this document is to provide guidelines for the standardization and harmonization of the procedures related with the preparation and transmission of meteorological information for air operations (OPMET) in CAR/SAM States. The OPMET Guide complements the standards and recommended practices of *Annex 3 – Meteorological Service for International Air Navigation, Parts I and II of the CAR/SAM Air Navigation Plan – ANP Volume I, Basic and Volume II, FASID, Doc 8733, Part VI – Meteorology (MET)*, related with OPMET information, in order to comply with the requirements of the users of this information.

1.1.2 The above mentioned objective will be reached with the implementation of the procedures established by ICAO and the effective functionality of the communications circuits of the AFTN Network and the Internet in the States of the CAR/SAM Regions.

1.1.3 This Guide will assist CAR/SAM States in the exchange of OPMET information based on international operational requirements. ICAO documents that contain standards for the exchange of OPMET information are the following:

- a) *Annex 3 – Meteorological Service for International Air Navigation;*
- b) *ANP CAR/SAM: Vol I, Basic and Vol II, FASID, Part VI – MET.*

1.1.4 This document has been prepared by the ICAO SAM Regional Office, in compliance with GREPECAS Conclusion 13/28, taking into consideration the seventeenth edition of Annex 3, published in July 2010, which includes amendment 75 to the referred Annex, and the valid CAR/SAM ANP, Volume I, Basic and Volume II, FASID.

1.1.5 For the preparation of the current Guide, relevant information and tables have been extracted from ICAO documents to facilitate consultations for OPMET information exchange, with the assurance that this Guide will be regularly revised and updated in order to harmonize regional procedures and requirements contained in relevant ICAO documents.

### **1.2 Communications**

1.2.1 Telecommunications facilities used in the exchange of operational meteorological information should be:

- a) the AFTN network of the Aeronautical Fixed Service (AFS), in accordance with List No. 6 – *AFTN Routing Directory for CAR and SAM Regions*. The rationalized AFTN plan for CAR/SAM Regions (Chart CNS 1 of FASID CAR/SAM) includes the chart with the current AFTN scheme of these two regions, which is reproduced in this Guide as **Appendix A**; or
- b) in case of the exchange of meteorological information for non-time critical operations, the public Internet, subject to the availability, satisfactory operation and to bilateral/multilateral and/or regional air navigation agreements.

Note.- Guidance on meteorological information for non-time critical operations and pertinent aspects of the Public Internet are provided in the manual *Guidelines on the Use of Public Internet for Aeronautical Applications* (Doc 9855).

## 1.2.2 Time-critical meteorological messages

1.2.2.1 The meteorological information listed in 1.2.1, when provided via the Internet, should not be relied upon for time-critical operational decisions, either in flight or immediately prior to departure, in which case it should be distributed via the aeronautical fixed service (AFS) because its characteristics will ensure that such messages are received in a timely manner.

1.2.2.2 According to Annex 10 — *Aeronautical Telecommunications*, Volume II, information or products that contain aeronautical meteorological information are classified under one of two categories, “flight safety messages” or “meteorological messages”. Flight safety messages related to aeronautical meteorology, which can be regarded as time-critical in the above context, include:

- a) SIGMET information;
- b) special air-reports (AIREP);
- c) AIRMET messages<sup>1</sup>;
- d) volcanic ash advisories;
- e) tropical cyclone advisories; and
- f) amended aerodrome forecasts (TAF).

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<sup>1</sup> N/A for CAR/SAM Regions

## PART 2 OPMET INFORMATION

### 2.1 OPMET information requirements (METAR, SPECI and TAF)

2.1.1 Meteorological services to be provided in order to meet the requirements of international flight operations are shown in CAR/SAM FASID Table MET 1A, which is included as **Appendix B**.

2.1.2 CAR/SAM FASID Table MET 2A, presented in **Appendix C**, includes the requirements for the global availability of METAR, SPECI and TAF, through the AFS satellite distribution system (ISCS and SADIS) and distribution systems based in the Internet. Exchange requirements between CAR/SAM States are presented in **Appendix D**.

2.1.3 **Appendix E** presents a table with the AFTN<sup>2</sup> addresses to which each State of the CAR/SAM Regions shall transmit METAR, SPECI and TAF based on the requirements of CAR/SAM FASID Table MET 2A and on regional requirements.

### 2.2 Routine and special reports prepared and transmitted by aeronautical meteorological stations

2.2.1 Reports of routine and special observations shall be made at every aeronautical meteorological station of the aerodromes included in CAR/SAM FASID Table MET 1A and, as necessary, issued as:

- a) local routine reports (**MET REPORT**), only for dissemination at the aerodrome of origin;
- b) hourly routine reports (METAR), for dissemination to other aerodromes beyond the aerodrome of origin; at aerodromes that are not operational throughout 24 hours METAR shall be issued at least one hour prior to the aerodrome resuming operations;
- c) local special reports (**SPECIAL**), only for dissemination at the aerodrome of origin;
- d) special reports (**SPECI**), for dissemination to other aerodromes beyond the aerodrome of origin.

### 2.3 Forecasts prepared and transmitted by the aerodrome meteorological office

2.3.1 The following forecasts shall be prepared and transmitted at every meteorological office of the aerodromes included in CAR/SAM FASID Tables MET 1A:

- a) aerodrome forecasts (TAF) with a validity period of 24 and 30 hours (only Rio de Janeiro, SBGL and Sao Paulo, SBGR) and at intervals of six hours (00, 06, 12, 18 UTC), which shall include maximum and minimum forecasted temperatures together with their time of occurrence and shall be transmitted approximately two hours prior to the beginning of the period of validity;
- b) as required, amended aerodrome forecasts (TAF AMD);

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<sup>2</sup> AFTN addresses of CAR/SAM States are included in the Attachment to Appendix E.

- c) as required, corrections to aerodrome forecasts (TAF COR); and
- d) trend forecasts (TREND), for a validity period of 2 hours, each hour to attach to METAR/SPECI, considering the requirements of column 6 of CAR/SAM FASID Table MET 1A.
- e) as agreed with the operator involved, aerodrome forecasts for take-off; and
- f) as agreed with the operator involved, amendment to aerodrome forecasts for take-off.

## 2.4 **Responsibilities of MET authorities**

2.4.1 The responsibility of MET authorities with regard to OPMET information METAR, SPECI and TAF, besides those established in ICAO procedures, is to propose amendments to the following CAR/SAM FASID MET Tables, in accordance with the operational requirements and amendments to CAR/SAM FASID Table AOP:

- Table MET 1A – Meteorological service required at aerodromes; and
- Table MET 2A – OPMET information (METAR, SPECI and TAF) required in ISCS and SADIS.

## PART 3 TRANSMISSION OF OPMET INFORMATION

### 3.1 Transmission of OPMET information through the AFTN

3.1.1 OPMET information in alphanumeric form is transmitted on the AFTN (and on most other networks) in the form of “bulletins”, each bulletin containing one or more METAR, TAF or other types of information (but always only one type per bulletin), besides the appropriate bulletin heading. The WMO abbreviated heading is essential to permit recognition by users and handlers, including computers, of time and origin of the information contained in the bulletin. It should not be confused with the “AFTN message heading” which determines priority, routing and other telecommunication aspects of the message. All meteorological bulletins transmitted via the AFTN have to be “encapsulated” into the text part of the AFTN message format.

3.1.2 The meteorological bulletin abbreviated heading consists of a single line, precedes the OPMET information contained in the bulletin, and normally comprises three groups as follows:

- a) an identifier;
- b) and ICAO location indicator;
- c) a date-time group; and
- d) if required, a fourth group can be added as an identifier for a delayed, corrected or amended bulletin.

### 3.2 Heading of OPMET Information

3.2.1 In accordance with the standardized AFTN procedures (Annex 10, Volume II), the start-of-message signal “**ZCZC**” shall always be included.

3.2.2 In the second line, the message Priority Indicator “**GG**” or “**FF**” shall be included, followed by the AFTN addressees of the national and international message, the latter, based on the Table for OPMET exchange (Appendix E).

3.2.3 In the following line, the date of the month and the time of transmission of OPMET information, followed by the AFTN address of the station or centre that prepared the bulletin with OPMET information shall be included.

Example
<b>ZCZC</b> <b>GG SBBRYZYX</b> <b>142200 SPIMYMYX</b>
Message to be circulated through the AFTN with priority GG sent to the Brasilia International OPMET databank (AFTN: SBBRYZYX) transmitted the day 14 at 2200 UTC by the meteorological office of Lima (AFTN: SPIMYMYX)

3.2.4 The following line corresponds to the abbreviated heading of the bulletin, which as mentioned before, consists of the following groups:

<b>T<sub>1</sub>T<sub>2</sub>A<sub>1</sub>A<sub>2</sub>ii CCCC YYGGgg [AAx]/[CCx]/[RRx]</b>
---------------------------------------------------------------------------------------------

3.2.5 The group **T<sub>1</sub>T<sub>2</sub>A<sub>1</sub>A<sub>2</sub>ii** is the identifier of the bulletin for OPMET Information, constructed as follows:

<b>T<sub>1</sub>T<sub>2</sub>A<sub>1</sub>A<sub>2</sub>ii</b>			
<b>T<sub>1</sub>T<sub>2</sub></b>	Message type designator	SA	METAR including trend forecasts based on Table MET 1A (issued by the AMS)
		SP	SPECI including trend forecast based on Table MET 1A (issued by the AMS)
		FT	TAF valid for 12 hours or more (issued by AMO)
		FC	TAF valid for less than 12 hours (issued by AMO)
		WA	AIRMET Information (no requirements for CAR/SAM Regions)
		WS	SIGMET Information (issued by MWO)
		WV	SIGMET Information for volcanic ash (issued by MWO)
		WC	SIGMET Information for tropical cyclones (issued by MWO)
		FK	Tropical cyclone advisory MESSAGE (issued by TCAC Miami)
		FV	Volcanic ash advisory message (issued by VAAC Buenos Aires and Washington)
		UA	Air-reports (AIREP)
		FA	GAMET Forecasts (no requirements for CAR/SAM Regions)
<b>A<sub>1</sub>A<sub>2</sub></b>	State or Territory designator	Assigned in accordance with Table C1, Part II of Manual on the Global Telecommunication System, Vol. I – Global Aspects (WMO – No. 386)	
<b>ii</b>	According to paragraph 2.3.2.2, Part II of Manual on the Global Telecommunication System, Vol. I – Global Aspects (WMO – No. 386), used to indicate if the message is distributed on a global, interregional, regional or national basis.		

CCCC is the ICAO location indicator of the AMS, AMO or MWO that prepared the report or compiled the bulletin and that transmits the message

<b>YYGGgg</b>	
<b>YY</b>	<b>YYGGgg</b> corresponds to the date/time group of preparation of the message, where YY is the day and GGgg the hour (GG) and minutes (gg) UTC.
<b>GGgg</b>	<ul style="list-style-type: none"> <li>- for aerodrome reports and selected special reports, the time of observation in UTC;</li> <li>- for aerodrome forecasts, the complete time in UTC (the last two numbers are always 00) which precedes the time of transmission; for other forecasts, the normal time of observation in UTC in which the forecast is based;</li> <li>- for other meteorological messages, such as SIGMET and AIREP information, the time of writing the text in UTC.</li> </ul>

<b>[AAx]/[CCx]/[RRx]</b>	
<b>AAx</b>	Shall be used only when sending an amendment an OPMET information, which has already been transmitted; the third letter “x” takes the value A for the first amendment, B for the second amendment, etc.
<b>CCx</b>	Shall be used only when sending a correction to an OPMET information, which has already been transmitted; the third letter “x” takes the value A for the first correction, B for the second correction, etc.
<b>RRx</b>	Shall be used only when sending a delayed OPMET information; the third letter “x” takes the value A for the first delayed OPMET information, B for the second delayed OPMET information, etc.

Example
ZCZC GG SBBRYZYX 271600 SGZZMAMX <b>FTPR01 SPIM 271600</b>
Message to be circulated through the AFTN with priority GG sent to the Brasilia International OPMET databank (AFTN: SBBRYZYX) transmitted the day 27 at 1600 UTC by the meteorological office of Lima (AFTN: SPIMYMYX) <b>TAF from Peru for global distribution prepared by the AMO of Lima the day 27 at 1600 UTC</b>

3.2.6 Afterwards, and as an AFTN standardized procedure (Annex 10, Volume II), to indicate the ending of the message the following shall be inserted:

- at the end of the text, the equal sign “=” to indicate the end of OPMET information; and
- in a separate line to indicate the end of the message, the end of message signal represented by letters NNNN , shall be included.

Example
ZCZC GG SBBRYZYX 271600 SPIMYMYX FTPR01 SPIM 271600 <b>TAF SPIM 271531Z 2718/2818 29008KT 6000 OVC007 TX20/2719Z TN17/2811Z BECMG 2723/2801 26005KT 4000 BR SCT004 OVC007 PROB40 2801/2804 27003KT 1200 BR OVC002 BECMG 2806/2808 VRB02KT 3500 BR SCT003 OVC004 PROB30 2810/2813 00000KT 0800 FG OVC002 BECMG 2814/2816 24008KT 5000 BR OVC007= NNNN</b>
Message to be circulated through the AFTN with priority GG sent to the Brasilia International OPMET databank (AFTN: SBBRYZYX) transmitted the day 27 at 1600 UTC by the AMO of Lima (AFTN: SPIMYMYX) <b>TAF from Peru for global distribution prepared by the AMO of Lima the day 27 at 1600 UTC*</b>

\* The TAF decoding is shown hereunder:

FTPR01 SPIM 271600

TAF SPIM 271531Z 2718/2818 29008KT 6000 OVC007 TX20/2719Z TN17/2811Z BECMG 2723/2801 26005KT  
4000 BR SCT004 OVC007 PROB40 2801/2804 27003KT 1200 BR OVC002 BECMG 2806/2808 VRB02KT 3500 BR  
SCT003 OVC004 PROB30 2810/2813 00000KT 0800 FG OVC002 BECMG 2814/2816 24008KT 5000 BR OVC007=

FTPR01	Message heading
SPIM	Communications centre Lima-Peru
271600	Day and hour UTC of the message transmission, day 27 at 1600 UTC
TAF	Aerodrome forecast in TAF code
SPIM	South America, Peru, Lima Airport
271531Z	Day and hour of TAF preparation, day 27 at 1531 UTC
2718/2818	Period of Validity, from 18 UTC of day 27 until 18 UTC of day 28
29008KT	Wind forecast 290° 08 knots
6000	Forecast of horizontal visibility, 6000 meters
OVC007	Cloud forecast, overcast sky 8/8 at an altitude of 700 feet or 210 meters

TX20/2719Z	Maximum temperature forecast of the period considered (validity), 20°C at 19 UTC of day 27
TN17/2811Z	Minimum temperature forecast of the period considered (validity), 17°C at 11 UTC of day 28
BECMG	Becoming
2723/2801	Day 27 from 23 UTC until day 28 at 01 ITC
26005KT	Wind forecast 260° Speed 5 knots
4000	Visibility forecast 4000 meters
BR	Weather phenomenon forecast, Fog
SCT004	Cloud forecast, overcast sky 8/8 at an altitude of 700 feet or 210 meters
OVC007	Cloud forecast, overcast sky 8/8 at an altitude of 700 feet or 210 meters
PROB40	Probability of occurrence of 40 %
2801/2804	Between 01 and 04 UTC of day 28
27003KT	Wind forecast, 270° speed 3 knots
1200	Horizontal visibility forecast, 1200 meters
BR	Weather phenomenon forecast, Fog
OVC002	Cloud forecast, overcast sky 8/8 at an altitude of 200 feet or 60 meters
BECMG	Becoming
2806/2808	From 06 to 08 UTC of day 28
VRB02KT	Wind forecast, variable direction, speed 2 knots
3500	Horizontal visibility forecast, 3500 meters
BR	Weather phenomenon forecast, Fog
SCT003	Cloud forecast, broken cloud at an altitude of 300 feet or 90 meters
OVC004	Cloud forecast, overcast sky 8/8 at an altitude of 400 feet or 120 meters
PROB30	Probability of occurrence of 30 %
2810/2813	Between 10 and 13 UTC of day 28
00000KT	Wind forecast, Calm
0800	Horizontal visibility forecast, 800 meters
FG	Weather phenomenon forecast, Fog
OVC002	Cloud forecast, overcast sky 8/8 at an altitude of 700 feet or 210 meters
BECMG	Becoming
2814/2816	From 14 to 16 UTC of day 28
24008KT	Wind forecast, 240° speed 8 knots
5000	Horizontal visibility forecast, 5000 meters
BR	Weather phenomenon forecast, Fog
OVC007=	Cloud forecast, overcast sky 8/8 at an altitude of 700 feet or 210 meters

3.2.7 Messages containing meteorological information should be filed promptly for transmission on the AFTN in good time. METAR and SPECI are normally filed within five minutes of the time of the observation, and TAF at least two hours before the commencement of their validity, in accordance with CAR/SAM ANP Basic, paragraph 8.

3.2.8 The time interval between the time of filing to the time of receipt of a message is called “transit” time. Messages containing OPMET information transmitted on the AFTN should normally have transit times of less than five minutes, except for METAR, SPECI and TAF exchanged over distances exceeding 900 km which may have transit times of up to ten minutes.

### 3.3 Dissemination of OPMET information on ICAO AFS satellite broadcasts

3.3.1 Telecommunications facilities used in the exchange of meteorological information for operations should be of the aeronautical fixed service or, in case of exchange of meteorological information for non-time critical operations, of the public Internet, subject to availability, satisfactory operation and to bilateral/multilateral and/or regional air navigation agreements.

*Note 1.- In support to the global exchange of meteorological information for operations, three satellite distribution systems of the aeronautical fixed service are used to provide global coverage.*

3.3.2 WAFS forecasts are disseminated through three ICAO AFS satellite broadcasts, directly from WAFCs to the meteorological offices. A global set of OPMET information is also included in these satellite broadcasts.

3.3.3 The Brasilia and Washington International OPMET data banks have been designated by regional air navigation agreement to serve the States of the CAR/SAM Regions to obtain the required OPMET information, which, due to temporary failures in communications channels, is not received.

3.3.4 In case of AFTN failures, the data can be sent through the Internet to the Brasilia and Washington International OPMET data banks, as follows:

#### **Data transmission to the Brasilia International OPMET Data Bank**

3.3.5 In order to send the data to the Brasilia International OPMET Data Bank it is necessary that the States make a request for registration with the name and password of the user to the e-mail: [redemet@decea.gov.br](mailto:redemet@decea.gov.br). Once the password is received, the files can be downloaded for data transmission through the access to [www.redemet.aer.mil.br](http://www.redemet.aer.mil.br) website.

#### **Data transmission to the Washington International OPMET Data Bank**

3.3.6 In order to send the data to the Washington International OPMET Data Bank the E-mail Data Input System (EDIS) of the United States' National Weather Service is used, through the following procedure:

- a) request authorization to use EDIS to: MR. PATRICK GILLIS, Program Leader, International Satellite Communications Service NOAA/NWS/United States, [Patrick.Gillis@noaa.gov](mailto:Patrick.Gillis@noaa.gov). The request could be in Spanish or English;
- b) complete and return the request form (see example in **Appendix G**) including, inter-alia, the e-mail **from** which the OPMET data will be sent;
- c) in the approval, the e-mail address to which the data is to be sent will be indicated, as well as the instructions;
- d) data is sent with WMO heading only, since the addresses of the different addressees are not included, the OPMET data transmitted will be included in global ISCS and SADIS broadcasts.



## **PART 4      EXCHANGE OF OPMET INFORMATION (METAR, SPECI and TAF)**

### **4.1            Exchange of OPMET information OPMET (METAR, SPECI and TAF) on a national basis**

4.1.1            On a national basis, the aeronautical meteorological services should take measures to transmit OPMET information to every aerodrome meteorological office that so require to be used in briefings and, as necessary, for its inclusion in flight documentation. In addition, coordination with air traffic services and aeronautical information services should be made in order to include in the distribution list, on a national basis, all the recipients deemed necessary to comply with the task of providing safety to air operations.

4.1.2            The aeronautical information required by ATS units and provided by their associated meteorological offices includes nearly all types of aeronautical meteorological information. **Appendix H** presents an extract of Table 3-1 – *Aeronautical meteorological information supplied to ATS units of Doc 9377 – Manual on coordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological services*, including a summary of the types of information most frequently supplied to ATS units and to air-ground control radio stations (if established to serve associated FICs/ACCs), the meteorological units responsible for providing the information, the frequency with which it is usually provided and the communications means normally used for this purpose.

4.1.3            In view of the importance of the meteorological information supplied to ATS units for the safety and efficiency of aviation, it is essential that the information be always up to date, accurate and provided in a timely manner. Of particular importance in this connection is information on significant changes in the meteorological conditions. Such changes include not only changes requiring the issuance of SPECI but may also include, as agreed, changes in wind, temperature, pressure and other elements that may require ATS units to take action (e.g. change of runway-in-use).

4.1.4            These coordinations shall be in accordance with Chapter 10 – *Information for air traffic services, search and rescue services and aeronautical information services* of Annex 3 and with the *Manual on Coordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services* Doc 9377 AN/915.

4.1.5            OPMET information shall be transmitted to every aerodrome meteorological office in order to be provided to aircraft prior to departure and to all en-route aircraft. In case of non-stop flights with extremely long routes, OPMET information shall be provided at the departure aerodrome for the whole of the route foreseen.

### **4.2            Exchange of OPMET information (METAR, SPECI and TAF) on a regional basis**

4.2.1            The global exchange of OPMET information should be strictly based on CAR/SAM FASID Table MET 2A and the regional exchange of OPMET information should be based on Appendix D.

4.2.2            **Appendix I** includes the list of Points of Contact who are in charge of OPMET control in the States of the CAR/SAM Regions, and **Appendix J** presents a list of websites of the States where meteorological information can also be found.



## PART 5 INTERNATIONAL OPMET DATABANKS

5.1 In accordance with paragraph 23 of CAR/SAM ANP Basic, Part VI, Meteorology (MET), *“the International OPMET databanks in Brasilia and Washington have been designated to serve States in the CAR/SAM Regions to access OPMET information”*.

5.2 The Catalogue of OPMET data available in the Brasilia International OPMET databank was prepared and published by the ICAO South American (SAM) Regional Office, in compliance with Recommendation 5/10 – “Catalogue of OPMET information in the CAR/SAM International OPMET databanks” formulated by the Regional COM/MET Air Navigation Limited Meeting, (Montreal 1-14 November 2983).

5.3 The objective of this catalogue is to provide guidance to aeronautical meteorological services of the SAM Region and neighboring Regions on the procedures to send and receive OPMET information from the referred bank. The Fourth Edition of this catalogue was published in June 2010.

5.4 The response time for the requests sent to the databanks should be less than 15 minutes. AFTN messages containing requests for the databanks and responses from same should achieve transit times of less than five minutes.

5.5 The “Catalogue of International OPMET data available in the Brasilia Databank” and the “Catalogue of international OPMET data available in the Washington, D. C. databank”, published by ICAO SAM and NACC Regional Offices, respectively, contain the list of OPMET information available in the international OPMET databanks designated to provide service to the CAR/SAM Regions, as well as the procedures that should be applied to request OPMET information to such databanks.

5.6 It is important to highlight the responsibility of the aeronautical meteorological services to send on a daily basis to the Brasilia and Washington international OPMET data banks their METAR, SPECI and TAF exchange reports, in case of an aeronautical meteorological office, to the AFTN addresses **SBRYZYX** and **KWBCYMYX**, respectively, or in case of failures in the circuits, through the Internet, as well as their SIGMET WS, WC, WV and special air-reports (AIREPs) in case of a meteorological watch office. These actions shall permit a constant availability of OPMET information in the memory of the referred banks, for the benefit of all users.



## **PART 6 OPMET EXCHANGE CONTROLS**

### **6.1 OPMET exchange controls (METAR, SPECI and TAF)**

6.1.1 In compliance with the procedures established in SAM implementation meetings, OPMET exchange controls have been carried out in the SAM Region since 1986 and since 1996, the controls are carried out in the CAR/SAM Regions, in compliance with GREPECAS conclusions.

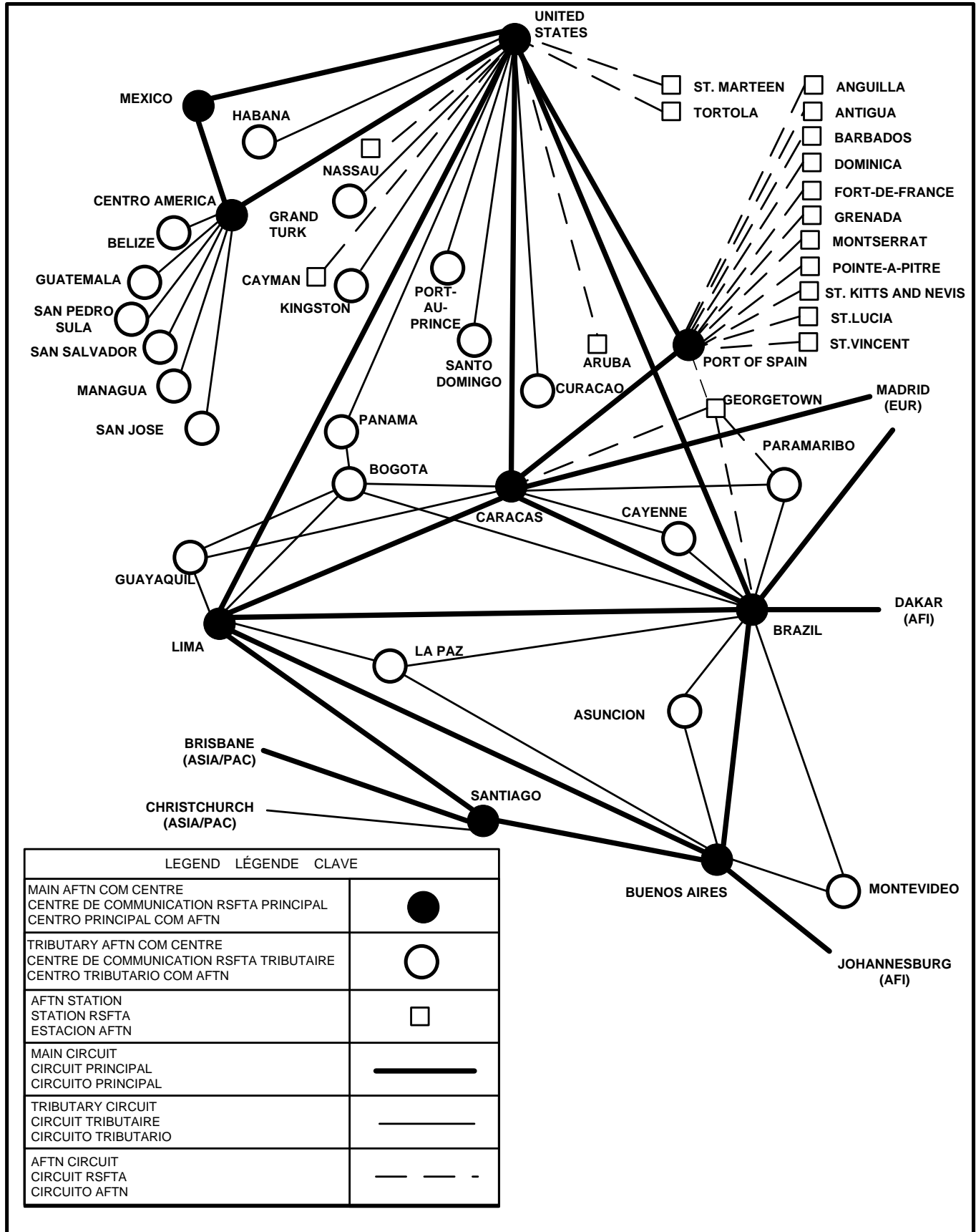
6.1.2 In accordance with GREPECAS Conclusion 12/64, OPMET exchange controls should be carried out annually from 10 to 16 June, until an optimum percentage is achieved. **Appendix I** presents the format approved by GREPECAS to carry out these controls, which includes the hours of operation of the aerodromes.

6.1.3 In addition, following GREPECAS Conclusion 5/28, the Brasilia International OPMET Data Bank carries out four controls of the OPMET information received at the bank.

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





**FASID TABLE MET 1A**

**METEOROLOGICAL SERVICE REQUIRED AT AERODROMES**

EXPLANATION OF THE TABLE

Column

1 Name of the aerodrome or location where meteorological service is required

Note: The name is extracted from the *ICAO Location Indicators (Doc 7910)* updated quarterly. If a state wishes to change the name appearing in Doc 7910 and this table, ICAO should be notified officially.

2 ICAO location indicator of the aerodrome

3 Designation of aerodrome:

- RG - international general aviation, regular use
- RS - international scheduled air transport, regular use
- RNS - international non-scheduled air transport, regular use
- AS - international scheduled air transport, alternate use
- ANS - international non-scheduled air transport, alternate use

4 Name of the meteorological office responsible for the provision of trend and aerodrome forecasts in TAF code at the aerodrome indicated in column 1

Note: A secondary meteorological office may be included if the primary meteorological office is closed part of the 24-hour period or a specific day of the week. Offices responsible under exceptional (e.g. back-up) conditions should not be listed.

5 ICAO location indicator of the responsible meteorological office

6 Requirement for trend forecasts

Y - Required

7 Requirement for aerodrome forecasts in TAF code

- C - Requirement for 9-hour validity aerodrome forecasts in TAF code (9H)
- T - Requirement for 18/24-hour validity aerodrome forecasts in TAF code (18/24H)
- X - Requirement for 30-hour validity aerodrome forecasts in TAF code (30H)

8 Availability of OPMET information (METAR/SPECI and TAF)

- F - Full : OPMET data as listed issued for the aerodrome all through the 24-hour period
- P - Partial : OPMET data as listed not issued for the aerodrome for the entire 24-hour period





**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
GRAND BAHAMA INTERNATIONAL	MYGF	RS	GRAND BAHAMA INTERNATIONAL	MYGF		T	F
LYNDEN PINDLING INTERNATIONAL	MYNN	RS	LYNDEN PINDLING INTERNATIONAL	MYNN		T	F
MARSH HARBOUR	MYAM	RS	LYNDEN PINDLING INTERNATIONAL	MYNN			N
NORTH ELEUTHERA	MYEH	RS	LYNDEN PINDLING INTERNATIONAL	MYNN			N
SAN SALVADOR INTERNATIONAL	MYSM	RS	LYNDEN PINDLING INTERNATIONAL	MYNN		T	F
SOUTH BIMINI	MYBS	RS	LYNDEN PINDLING INTERNATIONAL	MYNN			N
STELLA MARIS	MYLS	RS	LYNDEN PINDLING INTERNATIONAL	MYNN			N
TREASURE CAY	MYAT	RS	LYNDEN PINDLING INTERNATIONAL	MYNN			N
<b>Barbados</b> GRANTLEY ADAMS, BARBADOS	TBPB	RS	GRANTLEY ADAMS, BARBADOS	TBPB	Y	T	F
<b>Belize</b> PHILIP S.W. GOLDSON INTERNATIONAL	MZBZ	RS	PHILIP S.W. GOLDSON INTERNATIONAL	MZBZ		T	F
<b>Bolivia</b> COCHABAMBA	SLCB	AS	COCHABAMBA	SLCB	Y	T	F
LA PAZ	SLLP	RS	LA PAZ	SLLP	Y	T	F
TARIJA	SLTJ	RNS&AS	COCHABAMBA	SLCB		T	P
TRINIDAD	SLTR	AS	LA PAZ	SLLP	Y	T	P
VIRU VIRU	SLVR	RS	VIRU VIRU	SLVR	Y	T	P
<b>Brazil</b> BELEM/VAL DE CANS, PA	SBBE	RS	AMAZONICA/FIR	SBAZ		T	F
BELO HORIZONTE/TANCREDO NEVES, MG	SBCF	RS	RIO DE JANEIRO/GALEAO-ANTONIO CARLOS JOBIM, RJ	SBGL		T	F
BOA VISTA/ATLAS BRASIL CANTANHEDE, RR	SBBV	RS	AMAZONICA/FIR	SBAZ		T	F
BRASILIA/PRES. JUSCELINO KUBITSCHKE, DF	SBBR	RS	BRASILIA/FIR	SBBS		T	F
CAMPINAS/VIRACOPOS, SP	SBKP	RS	SAO PAULO/GUARULHOS, GOVERNADOR ANDRE FRANCO MONTORO, SP	SBGR		T	F
CAMPO GRANDE/CAMPO GRANDE, MS	SBCG	RS	PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	F



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
CORUMBA/CORUMBA, MS	SBCR	RS	PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	P
CRUZEIRO DO SUL/CRUZEIRO DO SUL, AC	SBCZ	RS	AMAZONICA/FIR	SBAZ		T	P
CUIABA/MARECHAL RONDON, MT	SBCY	RS	BRASILIA/FIR	SBBS		T	F
CURITIBA/AFONSO PENA, PR	SBCT	RS	PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	F
FLORIANOPOLIS/HERCILIO LUZ, SC	SBFL		PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	F
FORTALEZA/ PINTO MARTINS, CE	SBFZ	RS	RECIFE/FIR	SBRE		T	F
FOZ DO IGUAÇU/CATARATAS, PR	SBFI	RS	PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	F
MACAPA/ALBERTO ALCOLUMBRE, AP	SBMQ	RS	AMAZONICA/FIR	SBAZ		T	F
MACEIO/ZUMBI DOS PALMARES, AL	SBMO	RS	RECIFE/FIR	SBRE		T	F
MANAUS/EDUARDO GOMES, AM	SBEG	RS	AMAZONICA/FIR	SBAZ		T	F
NATAL/AUGUSTO SEVERO, RN	SBNT	AS	RECIFE/FIR	SBRE		T	F
PONTA PORA/PONTA PORA, MS	SBPP	RS	PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	P
PORTO ALEGRE/SALGADO FILHO, RS	SBPA	RS	PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	F
RECIFE/GUARARAPES - GILBERTO FREYRE, PE	SBRF	RS	RECIFE/FIR	SBRE		T	F
RIO DE JANEIRO/GALEAO-ANTONIO CARLOS JOBIM, RJ	SBGL	RS	RIO DE JANEIRO/GALEAO-ANTONIO CARLOS JOBIM, RJ	SBGL		X	F
SALVADOR/DEPUTADO LUIS EDUARDO MAGALHAES, BA	SBSV	RS	RECIFE/FIR	SBRE		T	F
SANTAREM/MAESTRO WILSON FONSECA, PA	SBSN	AS	AMAZONICA/FIR	SBAZ		T	F
SÃO LUIS/MARECHAL CUNHA MACHADO, MA	SBSL	AS	AMAZONICA/FIR	SBAZ		T	F
SÃO PAULO/GUARULHOS, GOVERNADOR ANDRE FRANCO MONTORO, SP	SBGR	RS	SÃO PAULO/GUARULHOS, GOVERNADOR ANDRE FRANCO MONTORO, SP	SBGR		X	F
TABATINGA/TABATINGA, AM	SBTT	RS	AMAZONICA/FIR	SBAZ		T	P
URUGUAIANA/RUBEM BERTA, RS	SBUG	RS	PORTO ALEGRE/SALGADO FILHO, RS	SBPA		T	P
<b>British Virgin Islands (United Kingdom)</b> TERRANCE B. LETTSOME, TORTOLA	TUPJ	RS	SAN JUAN/LUIS MUNOZ MARIN INTERNATIONAL, PR.	TJSJ		T	P



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
VIRGIN GORDA,B.V.I	TUPW	RS	SAN JUAN/LUIS MUNOZ MARIN INTERNATIONAL, PR.	TJSJ			N
<b>Cayman Islands (United Kingdom)</b> GERRARD SMITH INTL/CAYMAN BRAC OWEN ROBERTS INTL/GRAND CAYMAN	MWCB MWCR	RS RS	OWEN ROBERTS INTL/GRAND CAYMAN OWEN ROBERTS INTL/GRAND CAYMAN	MWCR MWCR		T T	F P
<b>Chile</b> ANTOFAGASTA/AD CERRO MORENO ARICA/AP CHACALLUTA CONCEPCION/AD ALTN CARRIEL SUR IQUIQUE/AD DIEGO ARACENA PUERTO MONTT/AD EL TEPUAL PUNTA ARENAS/AD PDTE. CARLOS IBANEZ DEL CAMPO SANTIAGO/AP ARTURO MERINO B.	SCFA SCAR SCIE SCDA SCTE SCCI SCEL	AS RS RS RS RS AS RS	ANTOFAGASTA/AD CERRO MORENO ARICA/AP CHACALLUTA CONCEPCION/AD ALTN CARRIEL SUR IQUIQUE/AD DIEGO ARACENA PUERTO MONTT/AD EL TEPUAL PUNTA ARENAS/AD PDTE. CARLOS IBANEZ DEL CAMPO SANTIAGO/AP ARTURO MERINO B.	SCFA SCAR SCIE SCDA SCTE SCCI SCEL	Y     Y Y	T T T T T T T	P P F P F F F
<b>Colombia</b> BARRANQUILLA INTL/ATLANTICO BOGOTA INTL/CUNDINAMARCA CALI INTL/VALLE CARTAGENA INTL/BOLIVAR CUCUTA INTL/NORTE DE S. LETICIA INTL/AMAZONAS RIONEGRO INTL/ANTIOQUIA SAN ANDRES INTL/SAN ANDRES	SKBQ SKBO SKCL SKCG SKCC SKLT SKRG SKSP	RS RS RS RS RNS&AS RNS&AS RS RS	BARRANQUILLA INTL/ATLANTICO BOGOTA INTL/CUNDINAMARCA CALI INTL/VALLE CARTAGENA INTL/BOLIVAR CUCUTA INTL/NORTE DE S. BOGOTA INTL/CUNDINAMARCA RIONEGRO INTL/ANTIOQUIA SAN ANDRES INTL/SAN ANDRES	SKBQ SKBO SKCL SKCG SKCC SKBO SKRG SKSP	Y Y Y    Y	T T T T T T T T	F F F F P P F P
<b>Costa Rica</b> ALAJUELA/JUAN SANTAMARIA INTL. LIBERIA/DANIEL ODUBER QUIROS INTL. LIMON/ INTL. PAVAS/TOBIAS BOLANOS INTL.	MROC MRLB MRLM MRPV	RS RNS&AS RG RG	ALAJUELA/JUAN SANTAMARIA INTL. ALAJUELA/JUAN SANTAMARIA INTL. ALAJUELA/JUAN SANTAMARIA INTL. ALAJUELA/JUAN SANTAMARIA INTL.	MROC MROC MROC MROC	Y   	T T T T	F P P P
<b>Cuba</b>							



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
CAMAGUEY/IGNACIO	MUCM	RS	HABANA/JOSE MARTI INTL.	MUHA		T	F
AGRAMONTE INTL							
CAYO LARGO DEL SUR/VILO	MUCL	RS	HABANA/JOSE MARTI INTL.	MUHA		T	P
ACUNA INTL.							
CIEGO DE AVILA/MAXIMO GOMEZ	MUCA	RS	HABANA/JOSE MARTI INTL.	MUHA		T	P
HABANA/JOSE MARTI INTL.	MUHA	RS	HABANA/JOSE MARTI INTL.	MUHA		T	F
HOLGUIN/FRANK PAIS INTL. - CIV/MIL	MUHG	RS	HABANA/JOSE MARTI INTL.	MUHA		T	F
SANTIAGO DE CUBA/ANTONIO MACEO INTL	MUCU	RS	HABANA/JOSE MARTI INTL.	MUHA		T	F
VARADERO/JUAN G. GOMEZ INTL	MUVR	RS	HABANA/JOSE MARTI INTL.	MUHA		T	F
<b>Dominica</b>							
MELVILLE HALL,DOMINICA	TDPD	RS	GRANTLEY ADAMS,BARBADOS	TBPB		T	F
ROSEAU,DOMINICA	TDPR	RS	GRANTLEY ADAMS,BARBADOS	TBPB			N
<b>Dominican Republic</b>							
BARAHONA/INTL MARIA MONTEZ	MDBH	RS	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ	MDSD		T	F
LA ROMANA/INTL CASA DE CAMPO	MDLR	RS	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ	MDSD		T	F
PUERTO PLATA /INTL GREGORIO LUPERON.	MDPP	RS	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ	MDSD		T	F
PUNTA CANA INTL.	MDPC	RS	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ	MDSD		T	F
SANTIAGO/INTL CIBAO	MDST	RS	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ	MDSD		T	F
SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ	MDSD	RS	SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ	MDSD	Y	T	F
<b>Ecuador</b>							
GUAYAQUIL	SEGU	RS	GUAYAQUIL	SEGU	Y	T	F
LATACUNGA	SELT	RNS&AS	QUITO	SEQU		T	P
MANTA	SEMT	RS	QUITO	SEQU		T	F
QUITO	SEQU	RS	QUITO	SEQU	Y	T	F
<b>El Salvador</b>							
AEROPUERTO INTERNACIONAL DE ILOPANGO	MSSS	RG	AEROPUERTO INTERNACIONAL EL SAVADOR	MSLP		T	P
AEROPUERTO INTERNACIONAL EL SAVADOR	MSLP	RS	AEROPUERTO INTERNACIONAL EL SAVADOR	MSLP		T	F
<b>French Antilles (France)</b>							
AIME CESAIRE, MARTINIQUE	TFFF	RS	AIME CESAIRE, MARTINIQUE	TFFF	Y	T	F



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
POINTE-A-PITRE,LE RAIZET, GUADELOUPE	TFFR	RS	POINTE-A-PITRE,LE RAIZET, GUADELOUPE	TFFR	Y	T	F
SAINT BARTHELEMY,FRENCH ANTILLES	TFFJ	RS	POINTE-A-PITRE,LE RAIZET, GUADELOUPE	TFFR			N
SAINT MARTIN, GRAND CASE, GUADELOUPE	TFFG	RS	POINTE-A-PITRE,LE RAIZET, GUADELOUPE	TFFR			N
<b>French Guiana (France)</b> CAYENNE-ROCHAMBEAU	SOCA	RS	CAYENNE-ROCHAMBEAU	SOCA	Y	T	F
<b>Grenada</b> LAURISTON, CARRIACOU, GRENADA GRENADINES	TGPZ	RS	MAURICE BISHOP, GRENADA	TGPY			N
MAURICE BISHOP, GRENADA	TGPY	RS	MAURICE BISHOP, GRENADA	TGPY		T	F
<b>Guatemala</b> LA AURORA	MGGT	RS	LA AURORA	MGGT	Y	T	F
PUERTO BARRIOS	MGPB	RG&AS	LA AURORA	MGGT		T	F
PUERTO DE SAN JOSE	MGSJ	RG&AS	LA AURORA	MGGT		T	F
<b>Guyana</b> CHEDDI JAGAN INTL AIRPORT	SYCJ	RS	CHEDDI JAGAN INTL AIRPORT	SYCJ	Y	T	F
<b>Haiti</b> CAP HAITIEN	MTCH	RS	PORT-AU-PRINCE/INTL	MTPP			N
PORT-AU-PRINCE/INTL	MTPP	RS	PORT-AU-PRINCE/INTL	MTPP		T	P
<b>Honduras</b> LA CEIBA/GOLOSON INTL	MHLC	RS	TEGUCIGALPA/TONCONTIN INTL	MHTG		T	F
ROATAN/JUAN MANUEL GALVEZ INTL.	MHRO	RS	TEGUCIGALPA/TONCONTIN INTL	MHTG		T	P
SAN PEDRO SULA/RAMON V MORALES INTL	MHLM	RS	TEGUCIGALPA/TONCONTIN INTL	MHTG		T	F
TEGUCIGALPA/TONCONTIN INTL	MHTG	RS	TEGUCIGALPA/TONCONTIN INTL	MHTG	Y	T	F
<b>Jamaica</b> KINGSTON/NORMAN MANLEY	MKJP	RS	KINGSTON/NORMAN MANLEY	MKJP		T	F
MONTEGO BAY/SANGSTER	MKJS	RS	KINGSTON/NORMAN MANLEY	MKJP		T	F
<b>Mexico</b> ACAPULCO	MMAA	RS	MEXICO	MMMX		T	F
AEROPUERTO DEL NORTE	MMAN	RG&AS	MEXICO	MMMX		T	P
BAHIAS DE HUATULCO	MMBT	RNS&AS	MEXICO	MMMX		T	P



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
CAMPECHE	MMCP	RG	MEXICO	MMM		T	P
CANCUN	MMUN	RS	MEXICO	MMM		T	F
CD. JUAREZ	MMCS	RG&AS	MEXICO	MMM		T	P
CHETUMAL	MMCM	RS	MEXICO	MMM		T	P
CHIHUAHUA	MMCU	RS	MEXICO	MMM		T	P
CIUDAD ACUNA	MMCC	RG	MEXICO	MMM			N
COZUMEL	MMCZ	RS	MEXICO	MMM		T	F
CULIACAN	MMCL	RS	MEXICO	MMM		T	P
DURANGO	MMDO	RS	MEXICO	MMM		T	P
GUADALAJARA	MMGL	RS	MEXICO	MMM	Y	T	F
GUAYMAS	MMGM	RS	MEXICO	MMM		T	P
HERMOSILLO	MMHO	RS	MEXICO	MMM		T	P
IXTAPA-ZIHUATANEJO	MMZH	RS	MEXICO	MMM		T	P
LA PAZ	MMLP	RS	MEXICO	MMM		T	P
LEON	MMLO	RS	MEXICO	MMM		T	P
LORETO	MMLT	RS	MEXICO	MMM		T	P
MANZANILLO	MMZO	RS	MEXICO	MMM		T	P
MATAMOROS	MMMA	RG&AS	MEXICO	MMM		T	P
MAZATLAN	MMMZ	RS	MEXICO	MMM		T	F
MERIDA	MMMD	RS	MEXICO	MMM		T	F
MEXICALI	MMML	RG	MEXICO	MMM		T	P
MEXICO	MMM	RS	MEXICO	MMM	Y	T	F
MONTERREY	MMMY	RS	MEXICO	MMM		T	F
MORELIA	MMMM	RS	MEXICO	MMM		T	P
NOGALES	MMNG	RG	MEXICO	MMM			N
NUEVO LAREDO	MMNL	RG	MEXICO	MMM		T	P
PIEDRAS NEGRAS	MMPG	RG	MEXICO	MMM		T	P
PUERTO VALLARTA	MMPR	RS	MEXICO	MMM		T	F
REYNOSA	MMRX	RG	MEXICO	MMM		T	P
SAN FELIPE	MMSF	RG	MEXICO	MMM			N
SAN JOSE DEL CABO	MMSD	RS	MEXICO	MMM		T	P
TAMPICO	MMTM	RS	MEXICO	MMM		T	P
TAPACHULA	MMTP	RNS	MEXICO	MMM		T	P
TIJUANA	MMTJ	RS	MEXICO	MMM		T	F
TOLUCA	MMTO	RNS	MEXICO	MMM		T	F
TORREON	MMTC	RS	MEXICO	MMM		T	P
VERACRUZ	MMVR	RS	MEXICO	MMM		T	F
VILLAHERMOSA	MMVA	RS	MEXICO	MMM		T	P



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
ZACATECAS	MMZC	RS	MEXICO	MMM		T	F
<b>Montserrat (United Kingdom)</b> JOHN A. OSBORNE INTERNATIONAL AIRPORT	TRPG	RS	JOHN A. OSBORNE INTERNATIONAL AIRPORT	TRPG		T	P
<b>Netherlands Antilles (Netherlands)</b> BONAIRE/FLAMINGO CURACAO/AEROPUERTO HATO ST. EUSTATIUS/F.D ROOSEVELT ST. MAARTEN/PRINCESS JULIANA	TNCB TNCC TNCE TNCM	RS RS RS RS	CURACAO/AEROPUERTO HATO CURACAO/AEROPUERTO HATO CURACAO/AEROPUERTO HATO SAN JUAN/LUIS MUNOZ MARIN INTERNATIONAL, PR.	TNCC TNCC TNCC TJSJ		T T T T	P F P F
<b>Nicaragua</b> MANAGUA//MANAGUA PUERTO CABEZAS/RAAN	MNMG MNPC	RS AS	MANAGUA//MANAGUA MANAGUA//MANAGUA	MNMG MNMG	Y	T T	F P
<b>Panama</b> BOCAS DEL TORO/BOCAS DEL TORO CHANGUINOLA/CAP. MANUEL NINO DAVID/ENRIQUE MALEK PANAMA/MARCOS A. GELABERT PANAMA/TOCUMEN	MPBO MPCH MPDA MPMG MPTO	RG&AS RG&AS RS RNS&AS RS	PANAMA/TOCUMEN PANAMA/TOCUMEN PANAMA/TOCUMEN PANAMA/TOCUMEN PANAMA/TOCUMEN	MPTO MPTO MPTO MPTO MPTO		T T T T T	P P P P F
<b>Paraguay</b> ASUNCION/S.PETTIROSSI CIUDAD DEL ESTE/GUARANI	SGAS SGES	RS RS	ASUNCION/S.PETTIROSSI ASUNCION/S.PETTIROSSI	SGAS SGAS		T T	F F
<b>Peru</b> AREQUIPA/INTL. RODRIGUEZ BALLON CHICLAYO/INTL. CAP. JOSE ABELARDO QUINONES GONZALEZ CUSCO/INTL. VELAZCO ASTETE IQUITOS/INTL. CORONEL FAP FRANCISCO SECADA VIGNETTA LIMA-CALLAO/INTL JORGE CHAVEZ PISCO/INTL.	SPQU SPHI SPZO SPQT SPIM SPSO	AS AS RS RS RS AS	AREQUIPA/INTL. RODRIGUEZ BALLON LIMA-CALLAO/INTL JORGE CHAVEZ CUSCO/INTL. VELAZCO ASTETE IQUITOS/INTL. CORONEL FAP FRANCISCO SECADA VIGNETTA LIMA-CALLAO/INTL JORGE CHAVEZ LIMA-CALLAO/INTL JORGE CHAVEZ	SPQU SPIM SPZO SPQT SPIM SPIM	Y	T T T T T T	F F F F F F



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
TACNA/INTL. CORONEL FAP CARLOS CIRIANI SANTA ROSA TRUJILLO/INTL. CAP. CARLOS MARTINEZ DE PINILLOS	SPTN SPRU	RG AS	LIMA-CALLAO/INTL JORGE CHAVEZ LIMA-CALLAO/INTL JORGE CHAVEZ	SPIM SPIM		T T	F F
<b>Puerto Rico (United States)</b> AGUADILLA/RAPHAEL HERNANDEZ PR. FAJARDO/DIEGO JIMENEZ TORRES PR. PONCE/MERCEDITA,PR.  SAN JUAN/LUIS MUNOZ MARIN INTERNATIONAL, PR. VIEQUES,ISLA DE VIEQUES,PR.	TJBQ TJFA TJPS TJSJ TJVQ	RS RS AS RS RS	WASHINGTON (NWS NATIONAL MET CENTER), DC. WASHINGTON (NWS NATIONAL MET CENTER), DC. WASHINGTON (NWS NATIONAL MET CENTER), DC. WASHINGTON (NWS NATIONAL MET CENTER), DC. WASHINGTON (NWS NATIONAL MET CENTER), DC.	KWBC KWBC KWBC KWBC KWBC		T  T T T	P N F F N
<b>Saint Kitts and Nevis</b> ROBERT L. BRADSHAW, ST. CHRISTOPHER (ST. KITTS) AND NEVIS VANCE WINKWORTH AMORY, ST. CHRISTOPHER (ST. KITTS) AND NEVIS	TKPK TKPN	RS RS	WASHINGTON (NWS NATIONAL MET CENTER), DC. V.C.BIRD,ANTIGUA	KWBC TAPA		T T	P P
<b>Saint Lucia</b> GEORGE F. CHARLES, SAINT LUCIA HEWANORRA SAINT LUCIA	TLPC TLPL	RS RS	HEWANORRA SAINT LUCIA HEWANORRA SAINT LUCIA	TLPL TLPL		T T	P F
<b>Saint Vincent and the Grenadines</b> CANOUAN,ST.VINCENT AND THE GRENADINES E.T.JOSHUA,ST.VINCENT, AND THE GRENADINES J.F. MITCHELL,BEQUIA ST.VINCENT AND THE GRENADINES MUSTIQUE,ST.VINCENT AND THE GRENADINES UNION ISLAND,ST.VINCENT AND THE GRENADINES	TVSC TVSV TVSB TVSM TVSU	RS RS RS RNS RS	GRANTLEY ADAMS,BARBADOS	TBPB		T	N P N N N
<b>Suriname</b> JOHAN ADOLF PENDEL	SMJP	RS	JOHAN ADOLF PENDEL	SMJP		T	F



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1	2	3	4	5	6	7	8
NICKERIE/MAJ. FERNANDES ZORG EN HOOP	SMNI SMZO	AS RG	JOHAN ADOLF PENDEL JOHAN ADOLF PENDEL	SMJP SMJP		T T	P P
<b>Trinidad and Tobago</b> CROWN POINT, TOGAGO PIARCO, TRINIDAD	TTCP TTPP	RS RS	PIARCO, TRINIDAD PIARCO, TRINIDAD	TTPP TTPP		T T	F F
<b>Turks and Caicos Islands (United Kingdom)</b> JAGS MCCARTNEY INTERNATIONAL AIRPORT GRAND TURK PROVIDENCIALES INTERNATIONAL SOUTH CAICOS INTERNATIONAL	MBGT MBPV MBSC	RS RS RS	LYNDEN PINDLING INTERNATIONAL LYNDEN PINDLING INTERNATIONAL LYNDEN PINDLING INTERNATIONAL	MYNN MYNN MYNN		T T T	P P P
<b>Uruguay</b> COLONIA/INTL "LAGUNA DE LOS PATOS" MALDONADO/ INTL C/C CARLOS A. CURBELO "LAGUNA DEL SAUCE" MONTEVIDEO/AD ANGEL S. ADAMI MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO" RIVERA/INTL. PRESIDENTE GENERAL (PILOTO AVIADOR MILITAR) DON OSCAR D. GESTIDO SALTO/INTL.NUEVA HESPERIDES	SUCA SULS SUAA SUMU SURV SUSO	RG RS RG RS RS RG	MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO" MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO" MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO" MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO" MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO" MONTEVIDEO/INTL.CARRASCO "GRAL. CESAREO L. BERISSO"	SUMU SUMU SUMU SUMU SUMU SUMU		T T T Y T T	P F P F P P
<b>Venezuela</b> BARCELONA, ANZOATEGUI  MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS MARACAIBO, ZULIA	SVBC SVMI SVMC	RNS RS RS	MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS	SVMI SVMI SVMI		T Y T	F F F



**MET 1A - ANP/FASID Region - CARSAM**

Aerodrome where service is to be provided			Responsible MET Office		Forecasts to be provided		Availability of OPMET
AeroName	ICAO Location Indicator	Use	Name	ICAO Location Indicator	TR	TAF	
1	2	3	4	5	6	7	8
MARGARITA, NUEVA ESPARTA	SVMG	RS	MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS	SVMI		T	F
PARAGUANA, JOSEFA CAMEJO, FALCON	SVJC	RS	MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS	SVMI		T	P
SAN ANTONIO DEL TACHIRA, TACHIRA	SVSA	RS	MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS	SVMI		T	P
VALENCIA, CARABOBO	SVVA	RS	VALENCIA, CARABOBO	SVVA		T	P
<b>Virgin Islands (United States)</b> CHARLOTTE AMALIE ST. THOMAS/CYRIL E. KING, VI. HENRY.E.ROHLSEN	TIST TISX	RS RS	WASHINGTON (NWS NATIONAL MET CENTER), DC. WASHINGTON (NWS NATIONAL MET CENTER), DC.	KWBC KWBC		T T	F F



**FASID TABLE MET 2A**

**OPMET INFORMATION (METAR, SPECI AND TAF)  
REQUIRED IN ISCS AND SADIS**

EXPLANATION OF THE TABLE

Column

1 Aerodromes in the AOP Tables of the Air Navigation Plans

Note: The name is extracted from the *ICAO Location Indicators (Doc 7910)* updated quarterly. If a state wishes to change the name appearing in Doc 7910 and this table, ICAO should be notified officially.

2 Aerodromes not listed in the AOP Tables of the Air Navigation Plans

Note: The name is extracted from the *ICAO Location Indicators (Doc 7910)* updated quarterly. If a state wishes to change the name appearing in Doc 7910 and this table, ICAO should be notified officially.

3 Location indicator

4 Availability of METAR/SPECI

5 Requirement for aerodrome forecasts in TAF code

- C - Requirement for 9-hour validity aerodrome forecasts in TAF code (9H)
- T - Requirement for 18/24-hour validity aerodrome forecasts in TAF code (18/24H)
- X - Requirement for 30-hour validity aerodrome forecasts in TAF code (30H)

6 Availability of OPMET information

- F - Full : OPMET data as listed issued for the aerodrome all through the 24-hour period
- P - Partial : OPMET data as listed not issued for the aerodrome for the entire 24-hour period
- N - None : No OPMET data issued for the time being



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability
1	2	3	4	5	6
<b>Anguilla (United Kingdom)</b> WALLBLAKE, ANGUILLA		TQPF	Y	T	P
<b>Antigua and Barbuda</b> V.C.BIRD, ANTIGUA		TAPA	Y	T	F
<b>Argentina</b> AEROPARQUE J. NEWBERY (CABA) COMODORO RIVADAVIA/GRAL. MOSCONI (CHT) CORDOBA/ING. A.L.V. TARAVELLA (CBA)	<i>CORRIENTES (CTS)</i>	SABE SAVC SACO SARC	Y Y Y Y	T T T T	F F F F
EZEIZA MINISTRO PISTARINI (BA)	<i>FORMOSA (F)</i>	SAEZ SARF	Y Y	T T	F F
IGUAZU/CATARATAS DEL IGUAZU (MS) JUJUY (J)		SARI SASJ	Y Y	T T	F F
MAR DEL PLATA (BA) MENDOZA/EL PLUMERILLO (MZA) NEUQUEN (N)	<i>PASO DE LOS LIBRES (CTS)</i> <i>POSADAS (MS)</i>	SAZM SAME SAZN SARL	Y Y Y Y	T T T T	F F F P
RESISTENCIA (CHO)	<i>RIO CUARTO/AREA DE MATERIAL (CBA)</i>	SARP SARE SAOC	Y Y Y	T T T	F F F
RIO GALLEGOS/BRIG. GRAL. D.A. PARODI (SC)	<i>RIO GRANDE (TAIS)</i>	SAWG SAWE SAAR	Y Y Y	T T T	F F F
ROSARIO (SF) SALTA (S) SAN CARLOS DE BARILOCHE (RN) SAN FERNANDO (BA)		SASA SAZS SADF	Y Y Y	T T T	F F F
USHUAIA/MALVINAS ARGENTINAS (TAIS)	<i>TUCUMAN/TEN. BENJAMIN MATIENZO (T)</i>	SANT SAWH	Y Y	T T	F F
<b>Aruba (Netherlands)</b> ORANJESTAD/BEATRIX		TNCA	Y	T	F
<b>Bahamas</b> GEORGE TOWN GOVERNOR'S HARBOUR GRAND BAHAMA INTERNATIONAL LYNDEN PINDLING INTERNATIONAL MARSH HARBOUR NORTH ELEUTHERA	<i>ROCK SOUND</i>	MYEG MYEM MYGF MYNN MYAM MYEH MYER	Y Y Y Y Y Y	T T T T T T	F N F F N N F
SAN SALVADOR INTERNATIONAL SOUTH BIMINI		MYSM MYBS	Y Y	T T	F N



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability
1	2	3	4	5	6
STELLA MARIS		MYLS			N
TREASURE CAY		MYAT			N
<b>Barbados</b>					
GRANTLEY ADAMS, BARBADOS		TBPB	Y	T	F
<b>Belize</b>					
PHILIP S.W. GOLDSON INTERNATIONAL		MZBZ	Y	T	F
<b>Bolivia</b>					
COCHABAMBA	COBIJA	SLCO	Y	T	P
		SLCB	Y	T	F
LA PAZ	EL TROMPILLO	SLET	Y	T	F
		SLLP	Y	T	F
	POTOSI	SLPO	Y	T	P
	PUERTO SUAREZ	SLPS	Y	T	P
	SAN IGNACIO DE VELASCO	SLSI	Y		P
	SANTA ANA DEL YACUMA	SLSA	Y		P
	SUCRE	SLSU	Y	T	P
TARIJA		SLTJ	Y	T	P
TRINIDAD		SLTR	Y	T	P
VIRU VIRU	VILLAMONTES	SLVM	Y		F
		SLVR	Y	T	P
	YACUIBA	SLYA	Y	T	P
<b>Brazil</b>					
BELEM/VAL DE CANS, PA		SBBE	Y	T	F
BELO HORIZONTE/TANCREDO NEVES, MG		SBCF	Y	T	F
BOA VISTA/ATLAS BRASIL CANTANHEDE, RR		SBBV	Y	T	F
BRASILIA/PRES. JUSCELINO KUBITSCHEK, DF		SBBR	Y	T	F
CAMPINAS/VIRACOPOS, SP		SBKP	Y	T	F
CAMPO GRANDE/CAMPO GRANDE, MS		SBCG	Y	T	F
CORUMBA/CORUMBA, MS		SBCR	Y	T	P
CRUZEIRO DO SUL/CRUZEIRO DO SUL, AC		SBCZ	Y	T	P
CUIABA/MARECHAL RONDON, MT		SBCY	Y	T	F
CURITIBA/AFONSO PENA, PR		SBCT	Y	T	F
FLORIANOPOLIS/HERCILIO LUZ, SC		SBFL	Y	T	F
FORTALEZA/ PINTO MARTINS, CE		SBFZ	Y	T	F
FOZ DO IGUAÇU/CATARATAS, PR		SBFI	Y	T	F
MACAPA/ALBERTO ALCOLUMBRE, AP		SBMQ	Y	T	F
MACEIO/ZUMBI DOS PALMARES, AL		SBMO	Y	T	F
MANAUS/EDUARDO GOMES, AM		SBEG	Y	T	F
NATAL/AUGUSTO SEVERO, RN		SBNT	Y	T	F
PONTA PORA/PONTA PORA, MS		SBPP	Y	T	P



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability
1	2	3	4	5	6
PORTO ALEGRE/SALGADO FILHO, RS		SBPA	Y	T	F
RECIFE/GUARARAPES - GILBERTO FREYRE, PE		SBRF	Y	T	F
RIO DE JANEIRO/GALEAO-ANTONIO CARLOS JOBIM, RJ		SBGL	Y	X	F
SALVADOR/DEPUTADO LUIS EDUARDO MAGALHAES, BA		SBSV	Y	T	F
SANTAREM/MAESTRO WILSON FONSECA, PA		SBSN	Y	T	F
SAO LUIS/MARECHAL CUNHA MACHADO, MA		SBSL	Y	T	F
SAO PAULO/GUARULHOS, GOVERNADOR ANDRE FRANCO MONTORO, SP		SBGR	Y	X	F
TABATINGA/TABATINGA, AM		SBTT	Y	T	P
URUGUAIANA/RUBEM BERTA, RS		SBUG	Y	T	P
<b>British Virgin Islands (United Kingdom)</b>					
TERRANCE B. LETTSOME, TORTOLA		TUPJ	Y	T	P
VIRGIN GORDA, B.V.I		TUPW			N
<b>Cayman Islands (United Kingdom)</b>					
GERRARD SMITH INTL/CAYMAN BRAC		MWCB	Y	T	F
OWEN ROBERTS INTL/GRAND CAYMAN		MWCR	Y	T	P
<b>Chile</b>					
ANTOFAGASTA/AD CERRO MORENO		SCFA	Y	T	P
ARICA/AP CHACALLUTA		SCAR	Y	T	P
	BALMACEDA/AD BALMACEDA	SCBA	Y	T	F
	CALAMA/AD EL LOA	SCCF	Y	T	P
CONCEPCION/AD ALTN CARRIEL SUR		SCIE	Y	T	F
	COPIAPO/AD DESIERTO DE ATACAMA	SCAT	Y	T	F
IQUIQUE/AD DIEGO ARACENA		SCDA	Y	T	P
	LA SERENA/AD LA FLORIDA	SCSE	Y	T	P
	OSORNO/AD CANAL BAJO-CARLOS HOTT SIEBERT	SCJO	Y	T	P
PUERTO MONTT/AD EL TEPUAL		SCTE	Y	T	F
	PUERTO NATALES/AD TENIENTE JULIO GALLARDO	SCNT	Y	T	F
PUNTA ARENAS/AD PDTE. CARLOS IBANEZ DEL CAMPO		SCCI	Y	T	F
SANTIAGO/AP ARTURO MERINO B.		SCEL	Y	T	F
	TEMUCO/AD MAQUEHUE	SCTC	Y	T	F
<b>Colombia</b>					
BARRANQUILLA INTL/ATLANTICO		SKBQ	Y	T	F
BOGOTA INTL/CUNDINAMARCA		SKBO	Y	T	F



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability
1	2	3	4	5	6
	<i>BUCARAMANGA INTL/SANTANDER</i>	SKBG	Y	T	F
CALI INTL/VALLE		SKCL	Y	T	F
CARTAGENA INTL/BOLIVAR		SKCG	Y	T	F
CUCUTA INTL/NORTE DE S.		SKCC	Y	T	P
LETICIA INTL/AMAZONAS		SKLT	Y	T	P
	<i>MEDELLIN/ANTIOQUIA</i>	SKMD	Y		F
	<i>PEREIRA/RISARALDA</i>	SKPE	Y	T	F
RIONEGRO INTL/ANTIOQUIA		SKRG	Y	T	F
SAN ANDRES INTL/SAN ANDRES		SKSP	Y	T	P
	<i>SANTA MARTA/MAGDALENA</i>	SKSM	Y		F
<b>Costa Rica</b>					
ALAJUELA/JUAN SANTAMARIA INTL.		MROC	Y	T	F
LIBERIA/DANIEL ODUBER QUIROS INTL.		MRLB	Y	T	P
LIMON/ INTL.		MRLM	Y	T	P
PAVAS/TOBIAS BOLANOS INTL.		MRPV	Y	T	P
<b>Cuba</b>					
CAMAGUEY/IGNACIO AGRAMONTE INTL		MUCM	Y	T	F
	<i>CAYO COCO/JARDINES DEL REY</i>	MUCC	Y	T	F
CAYO LARGO DEL SUR/VILO ACUNA INTL.		MUCL	Y	T	P
CIEGO DE AVILA/MAXIMO GOMEZ		MUCA	Y	T	P
HABANA/JOSE MARTI INTL.		MUHA	Y	T	F
HOLGUIN/FRANK PAIS INTL. - CIV/MIL		MUHG	Y	T	F
SANTIAGO DE CUBA/ANTONIO MACEO INTL		MUCU	Y	T	F
VARADERO/JUAN G. GOMEZ INTL		MUVR	Y	T	F
<b>Dominica</b>					
MELVILLE HALL,DOMINICA		TDPD	Y	T	F
ROSEAU,DOMINICA		TDPR			N
<b>Dominican Republic</b>					
BARAHONA/INTL MARIA MONTEZ		MDBH	Y	T	F
LA ROMANA/INTL CASA DE CAMPO		MDLR	Y	T	F
PUERTO PLATA /INTL GREGORIO LUPERON.		MDPP	Y	T	F
PUNTA CANA INTL.		MDPC	Y	T	F
SANTIAGO/INTL CIBAO		MDST	Y	T	F
SANTO DOMINGO/INTL JOSE FRANCISCO PENA GOMEZ		MDSD	Y	T	F
<b>Ecuador</b>					
GUAYAQUIL		SEGU	Y	T	F
LATACUNGA		SELT	Y	T	P
MANTA		SEMT	Y	T	F



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability
1	2	3	4	5	6
QUITO		SEQU	Y	T	F
<b>El Salvador</b>					
AEROPUERTO INTERNACIONAL DE ILOPANGO		MSSS	Y	T	P
AEROPUERTO INTERNACIONAL EL SAVADOR		MSLP	Y	T	F
<b>French Antilles (France)</b>					
AIME CESAIRE, MARTINIQUE		TFFF	Y	T	F
POINTE-A-PITRE, LE RAIZET, GUADELOUPE		TFFR	Y	T	F
SAINT BARTHELEMY, FRENCH ANTILLES		TFFJ			N
SAINT MARTIN, GRAND CASE, GUADELOUPE		TFFG			N
<b>French Guiana (France)</b>					
CAYENNE-ROCHAMBEAU		SOCA	Y	T	F
<b>Grenada</b>					
LAURISTON, CARRIACOU, GRENADA		TGPZ			N
GRENADINES					
MAURICE BISHOP, GRENADA		TGPY	Y	T	F
<b>Guatemala</b>					
LA AURORA		MGGT	Y	T	F
PUERTO BARRIOS		MGPB	Y	T	F
PUERTO DE SAN JOSE		MGSJ	Y	T	F
<b>Guyana</b>					
CHEDDI JAGAN INTL AIRPORT		SYCJ	Y	T	F
<b>Haiti</b>					
CAP HAITIEN		MTCH			N
PORT-AU-PRINCE/INTL		MTPP	Y	T	P
<b>Honduras</b>					
LA CEIBA/GOLOSON INTL		MHLC	Y	T	F
ROATAN/JUAN MANUEL GALVEZ INTL.		MHRO	Y	T	P
SAN PEDRO SULA/RAMON V MORALES INTL		MHLM	Y	T	F
TEGUCIGALPA/TONCONTIN INTL		MHTG	Y	T	F
<b>Jamaica</b>					
KINGSTON/NORMAN MANLEY		MKJP	Y	T	F
MONTEGO BAY/SANGSTER		MKJS	Y	T	F
<b>Mexico</b>					
ACAPULCO		MMAA	Y	T	F
AEROPUERTO DEL NORTE		MMAN	Y	T	P



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability
1	2	3	4	5	6
	<i>AGUASCALIENTES</i>	MMAS	Y	T	P
BAHIAS DE HUATULCO		MMBT	Y	T	P
CAMPECHE		MMCP	Y	T	P
CANCUN		MMUN	Y	T	F
CD. JUAREZ		MMCS	Y	T	P
	<i>CD. VICTORIA</i>	MMCV	Y	T	P
CHETUMAL		MMCM	Y	T	P
CHIHUAHUA		MMCU	Y	T	P
CIUDAD ACUNA		MMCC			N
	<i>CIUDAD DEL CARMEN</i>	MMCE	Y	T	P
	<i>CIUDAD OBREGON</i>	MMCN	Y	T	P
	<i>COLIMA</i>	MMIA	Y	T	P
COZUMEL		MMCZ	Y	T	F
	<i>CUERNAVACA</i>	MMCB	Y	T	P
CULIACAN		MMCL	Y	T	P
DURANGO		MMDO	Y	T	P
GUADALAJARA		MMGL	Y	T	F
GUAYMAS		MMGM	Y	T	P
HERMOSILLO		MMHO	Y	T	P
IXTAPA-ZIHUATANEJO		MMZH	Y	T	P
LA PAZ		MMLP	Y	T	P
LEON		MMLO	Y	T	P
LORETO		MMLT	Y	T	P
	<i>LOS MOCHIS</i>	MMLM	Y	T	P
MANZANILLO		MMZO	Y	T	P
MATAMOROS		MMMA	Y	T	P
MAZATLAN		MMMZ	Y	T	F
MERIDA		MMMD	Y	T	F
MEXICALI		MMML	Y	T	P
MEXICO		MMMXX	Y	T	F
	<i>MINATITLAN</i>	MMMT	Y	T	P
MONTERREY		MMMY	Y	T	F
MORELIA		MMMM	Y	T	P
NOGALES		MMNG			N
NUEVO LAREDO		MMNL	Y	T	P
	<i>OAXACA</i>	MMOX	Y	T	P
PIEDRAS NEGRAS		MMPG	Y	T	P
	<i>POZA RICA</i>	MMPA	Y	T	P
	<i>PUEBLA</i>	MMPB	Y	T	P
	<i>PUERTO ESCONDIDO</i>	MMPS	Y	T	P
PUERTO VALLARTA		MMPR	Y	T	F
	<i>QUERETARO</i>	MMQT	Y	T	P
REYNOSA		MMRX	Y	T	P
	<i>SALTILLO</i>	MMIO	Y	T	F



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided			
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability	
1	2	3	4	5	6	
SAN FELIPE SAN JOSE DEL CABO	<i>SAN LUIS POTOSI</i>	MMSF			N	
TAMPICO			MMSD	Y	T	P
TAPACHULA			MMSP	Y	T	F
TIJUANA			MMTM	Y	T	P
TOLUCA			MMTP	Y	T	P
TORREON		<i>TEPIC</i>	MMEP	Y	T	P
VERACRUZ			MMTJ	Y	T	F
VILLAHERMOSA			MMTO	Y	T	F
ZACATECAS			MMTC	Y	T	P
<b>Montserrat (United Kingdom)</b> JOHN A. OSBORNE INTERNATIONAL AIRPORT		<i>TUXTLA GUTIERREZ (CIV)</i> <i>URUAPAN</i>	MMTG	Y	T	P
<b>Netherlands Antilles (Netherlands)</b> BONAIRE/FLAMINGO			MMPN	Y	T	P
CURACAO/AEROPUERTO HATO			MMVR	Y	T	F
ST. EUSTATIUS/F.D ROOSEVELT			MMVA	Y	T	P
ST. MAARTEN/PRINCESS JULIANA			MMZC	Y	T	F
<b>Nicaragua</b> MANAGUA/MANAGUA			TRPG	Y	T	P
PUERTO CABEZAS/RAAN			TNCB	Y	T	P
<b>Panama</b> BOCAS DEL TORO/BOCAS DEL TORO		TNCC	Y	T	F	
CHANGUINOLA/CAP. MANUEL NINO		TNCE	Y	T	P	
DAVID/ENRIQUE MALEK		TNCM	Y	T	F	
PANAMA/MARCOS A. GELABERT		MNMG	Y	T	F	
PANAMA/TOCUMEN		MNPC	Y	T	P	
<b>Paraguay</b> ASUNCION/S.PETTIROSSI		MPBO	Y		P	
CIUDAD DEL ESTE/GUARANI		MPCH	Y		P	
<b>Peru</b> AREQUIPA/INTL. RODRIGUEZ BALLON	<i>ANDAHUAYLAS</i>	MPDA	Y	T	P	
		MPMG	Y	T	P	
		MPTO	Y	T	F	
		SGAS	Y	T	F	
		SGES	Y	T	F	
		SPHY	Y	T	P	
		SPQU	Y	T	F	



**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided		
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability
1	2	3	4	5	6
	<i>AYACUCHO/CORONEL FAP ALFREDO MENDIVIL DUARTE</i>	SPHO	Y	T	P
	<i>CAJAMARCA/MAYOR GRAL. FAP ARMANDO REVOREDO IGLESIAS</i>	SPJR	Y	T	P
CHICLAYO/INTL. CAP. JOSE ABELARDO QUINONES GONZALEZ		SPHI	Y	T	F
CUSCO/INTL. VELAZCO ASTETE		SPZO	Y	T	F
	<i>ILO</i>	SPLO	Y	T	P
IQUITOS/INTL. CORONEL FAP FRANCISCO SECADA VIGNETTA		SPQT	Y	T	F
	<i>JUANJUI</i>	SPJI	Y	T	P
LIMA-CALLAO/INTL JORGE CHAVEZ	<i>JULIACA/INTL. INCA MANCO CAPAC</i>	SPJL	Y	T	P
PISCO/INTL.		SPIM	Y	T	F
	<i>PUCALLPA/INTL. DAVID ABENSUR RENGIFO</i>	SPSO	Y	T	F
	<i>PUERTO MALDONADO/PADRE ALDAMIZ</i>	SPCL	Y	T	F
TACNA/INTL. CORONEL FAP CARLOS CIRIANI SANTA ROSA		SPTU	Y	T	P
		SPTN	Y	T	F
	<i>TALARA/CAPITAN MONTES</i>	SPYL	Y	T	P
	<i>TARAPOTO/CDTE. GUILLERMO DEL CASTILLO PAREDES</i>	SPST	Y	T	P
	<i>TINGO MARIA</i>	SPGM	Y	T	P
TRUJILLO/INTL. CAP. CARLOS MARTINEZ DE PINILLOS		SPRU	Y	T	F
	<i>TUMBES/PEDRO CANGA</i>	SPME	Y	T	P
	<i>YURIMAGUAS/MOISES BENZAQUEN RENGIFO</i>	SPMS	Y	T	P
<b>Puerto Rico (United States)</b>					
AGUADILLA/RAPHAEL HERNANDEZ PR.		TJBQ	Y	T	P
FAJARDO/DIEGO JIMENEZ TORRES PR.		TJFA			N
	<i>MAYAGUEZ/EUGENIO MARIA DE HOSTOS, PR.</i>	TJMZ	Y	T	P
PONCE/MERCEDITA,PR.		TJPS	Y	T	F
SAN JUAN/LUIS MUNOZ MARIN INTERNATIONAL, PR.		TJSJ	Y	T	F
VIEQUES,ISLA DE VIEQUES,PR.		TJVQ			N
<b>Saint Kitts and Nevis</b>					
ROBERT L. BRADSHAW, ST. CHRISTOPHER (ST. KITTS) AND NEVIS		TKPK	Y	T	P
VANCE WINKWORTH AMORY, ST. CHRISTOPHER (ST. KITTS) AND NEVIS		TKPN	Y	T	P
<b>Saint Lucia</b>					
GEORGE F. CHARLES, SAINT LUCIA		TLPC	Y	T	P
HEWANORRA SAINT LUCIA		TLPL	Y	T	F





**MET 2A - CARSAM**

Aerodrome where service is to be provided			OPMET to be provided			
Listed in AOP Tables	Not Listed in AOP Tables	ICAO Location	SA/SP	TAF	Availability	
1	2	3	4	5	6	
BARCELONA, ANZOATEGUI	<i>BARQUISIMETO, LARA</i>	SVBC	Y	T	F	
		SVBM	Y	T	P	
MAIQUETIA, INTERNACIONAL SIMON BOLIVAR, MAIQUETIA, VARGAS			SVMI	Y	T	F
MARACAIBO, ZULIA			SVMC	Y	T	F
MARGARITA, NUEVA ESPARTA			SVMG	Y	T	F
PARAGUANA, JOSEFA CAMEJO, FALCON			SVJC	Y	T	P
SAN ANTONIO DEL TACHIRA, TACHIRA			SVSA	Y	T	P
		<i>SANTO DOMINGO, B.A.MAYOR BUENAVENTURA VIVAS, TACHIRA</i>	SVSO	Y		P
VALENCIA, CARABOBO			SVVA	Y	T	P
<b>Virgin Islands (United States)</b>						
CHARLOTTE AMALIE ST. THOMAS/CYRIL E. KING, VI.			TIST	Y	T	F
HENRY.E.ROHLSSEN			TISX	Y	T	F

**INTERCAMBIO REGIONAL DE INFORMACIÓN METEOROLÓGICA OPERACIONAL  
DENTRO DE LAS REGIONES CAR/SAM**

**REGIONAL EXCHANGE OF OPERATIONAL METEOROLOGICAL INFORMATION WITHIN  
THE CAR/SAM REGIONS**

EXPLICACIÓN DE LA TABLA

- Columna 1: Nombre del aeródromo
- Columna 2: Indicador de lugar
- Columna 3: F = METAR/SPECI + TAF  
S = METAR/SPECI  
T = TAF

EXPLANATION OF THE TABLE

- Column 1: Name of the aerodrome
- Column 2: Location indicator
- Column 3: F = METAR/SPECI + TAF  
S = METAR/SPECI  
T = TAF

*Note: Aerodromes not included in Table AOP 1 are in italics/los aeródromos que no están listados en la Tabla AOP 1 aparecen en letra cursiva.*





















**TRANSMISIÓN INTERNACIONAL DE MENSAJES OPMET (METAR/SPECI y TAF) EN LOS ESTADOS/TERRITORIOS DE LAS REGIONES CAR/SAM CON BASE EN LA TABLA MET 2B DEL FASID CAR/SAM / INTERNATIONAL TRANSMISSION OF OPMET MESSAGES (METAR/SPECI and TAF) IN THE STATES/TERRITORIES OF THE CAR/SAM REGIONS ON THE BASIS OF CAR/SAM FASID TABLE MET 2B**

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
1	2	3	4
<b>ANGUILLA (United Kingdom.)</b>			
WALLBLAKE, ANGUILLA	TQPF	METAR/SPECI y/and TAF	SLZMZMYX SVZYZMYX SBBRYZYX KWBCYMYX EGZMCAZ
		TAF	TAPAYMYX TNCCYMYX SBBRYZYX KWBCYMYX EGZMCAZ
<b>ANTIGUA AND BARBUDA</b>			
V. C. BIRD, ANTIGUA	TAPA	METAR/SPECI y/and TAF	TQPFYMYX TBPBYMYX TDPDYMYX TFFFYMYX TFFRYMYX TGPYYMYX TRPYYMYX TNCCYMYX TJSJYMYX TKPKYMYX TLPYMYX TTPPYMYX TUPJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZMCAZ
		TAF	TNCAYMYX MUHAYMYX SVZMZMX MTPPYMYX SVZYZMYX SBBRYZYX KWBCYMYX EGZMCAZ
<b>ARGENTINA</b>			
AEROPARQUE J. NEWBERY, CAB	SABE	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX SGZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
COMODORO RIVADAVIA/GRAL MO	SAVC	METAR/SPECI y/and TAF	SCZMZMX SBBRYZYX KWBCYMYX EGZMSAM
CÓRDOBA/ING. A.L.V. TARAVELA	SACO	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX SKZMZMX MPZMZMX SGZMZMX SPZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	MROCYMYX SEZMZMX MMMXYMYX SVZMZMX SBBRYZYX KWBCYMYX EGZMSAM
EZEIZA MINISTRO PISTARINI, BA	SAEZ	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX MPZMZMX SGZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SKZMZMX MUHAYMYX MDSYMYX SEZMZMX MMMXYMYX SPZMZMX SVZMZMX SBBRYZYX KWBCYMYX EGZMSAM
IGUAZÚ/ CATARATAS DE IGUAZU	SAVC	METAR/SPECI y/and TAF	SGZMZMX SBBRYZYX KWBCYMYX EGZMSAM
JUJUY, J.	SASJ	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX SGZMZMX SPZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SKZMZMX SVZMZMX SBBRYZYX KWBCYMYX EGZMSAM
MAR DE PLATA, BA	SARE	METAR/SPECI y/and TAF	SCZMZMX SGZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SCZMZMX SGZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
MENDOZA/EL PLUMERILLO, MZA	SAME	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX MPZMZMX SGZMZMX SPZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	MROCYMYX MUHAYMYX SEZMZMX SPZMZMX SVZMZMX SBBRYZYX KWBCYMYX EGZMSAM
NEUQUÉN, N	SAZN	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX SGZMZMX SPZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SKZMZMX MUHAYMY SEZMZMX SBBRYZYX KWBCYMYX EGZMSAM
RESISTENCIA, CHO	SARE	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX SGZMZMX SPZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SVZMZMX SBBRYZYX KWBCYMYX EGZMSAM
RÍO GALLEGOS/BRIG. GRAL. D. A.	SAWG	METAR/SPECI y/and TAF	SKZMZMX SBBRYZYX KWBCYMYX EGZMSAM
ROSARIO, SF	SAAR	METAR/SPECI y/and TAF	SGZMZMX SPZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	MUHAYMY SBBRYZYX KWBCYMYX EGZMSAM
SALTA, S.	SASA	METAR/SPECI y/and TAF	SLZMZMX SCZMZMX SGZMZMX SBBRYZYX KWBCYMYX EGZMSAM
SAN CARLOS DE BARILOCHE, RN	SAZS	METAR/SPECI y/and TAF	SCZMZMX SBBRYZYX KWBCYMYX EGZMSAM
SAN FERNANDO, BA	SADF	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
USHUAIA/MALVINAS ARGENTINAS	SAWH	METAR/SPECI y/and TAF	SCZMZMX SBBRYZYX KWBCYMYX EGZMSAM
<b>ARUBA (Netherlands)</b>			
ORANJESTAD/BEATRIX	TNCA	METAR/SPECI y/and TAF	MYNNYMYX SKZMZMX MUHAYMY MDSYMYX TNCCYMYX MTPPYMYX MKJPYMYX MPZMZMX TJSJYMYX SMZMZMX TTPPYMYX SVZMZMX SBBRYZYX KWBCYMYX EGZMCAZ
		TAF	MMMXYMYX SBBRYZYX KWBCYMYX EGZMCAZ
<b>BAHAMAS</b>			
GEORGE TOWN	MYEG	METAR/SPECI y/and TAF	TAPAYMYX SBBRYZYX KWBCYMYX EGZMCAZ
		TAF	SAZMZMX SBBRYZYX KWBCYMYX EGZMCAZ
GOVERNOR'S HARBOUR	MYEM	METAR/SPECI y/and TAF	SGZMZMX SPZMZMX SUZMZMX SBBRYZYX KWBCYMYX EGZMCAZ
		TAF	SAZMZMX SBBRYZYX KWBCYMYX EGZMCAZ

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
GRAND BAHAM INTERNATIONAL	MYGF	METAR/SPECI y/and TAF	TNCAYMYX MROCYMYC MUHAYMYX MKJPYMYX MMMXYMYX TNCCYMYX MBGTMYX SBBRYZYX KWBCYMYX EGZMCMAR
		TAF	SAZZMAMX TBPBYMYX SPZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
MARSH HARBOUR	MYAM	METAR/SPECI y/and TAF	TAPAYMYX SBBRYZYX KWBCYMYX EGZMCMAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
NASSA INTERNATIONAL	MYNN	METAR/SPECI y/and TAF	TAPAYMYX TNCAYMYX MZBZYMYX SKZZMAMX MROCYMYX MUHAYMYX MDSYMYX MSSYMYX MGGTYMYX MTPPYMY MHTGYMYX MKJPYMYX MMMXYMYX MNMGYMYX MPZZMAMX TKPKYMYX MBGTMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
		TAF	SAZZMAMX TBPBYMYX SCZZMAMX SEZZMAMX SYZZMAMX SGZZMAMX SPZZMAMX TTPPYMYX SBBRYZYX KWBCYMYX EGZMCMAR
NORTH ELEUTHERA	MYEH	METAR/SPECI y/and TAF	TAPAYMYX SBBRYZYX KWBCYMYX EGZMCMAR SGZZMAMX
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
ROCK SOUND	MYER	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMCMAR
SAN SALVADOR INTERNATIONAL	MYSM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMCMAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
SOUTH BIMINI	MYBS	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMCMAR
STELLA MARIS	MYLS	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMCMAR SGZZMAMX
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
TREASURE CAY	MYAT	METAR/SPECI y/and TAF	TAPAYMYX SBBRYZYX KWBCYMYX EGZMCMAR SGZZMAMX
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
<b>BARBADOS</b>			
GRANTLEY ADAMS, BARBADOS	TBPB	METAR/SPECI y/and TAF	TAPAYMYX SKZZMAMX MUHAYMYX MDSYMYX TFFFYMYX TFFRYMYX TGPYMYX SYZZMAMX MTPPYMY MKJPYMYX MMMXYMYX TNCCYMYX TJSJYMYX TKPKYMYX TLPLYMYX TVSVYMYX SMZZMAMX TTPPYMYX SVZZMAMX TUPJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZMCMAR
		TAF	SAZZMAMX MROCYMYX SOZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
<b>BELIZE</b>			
PHILIPS S.W. GOLSON/BELIZE INT	MZBZ	METAR/SPECI y/and TAF	MUHAYMYX MSSYMYX MHTGYMYX MKJPYMYX MMMXYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZMCMAR
<b>BOLIVIA</b>			
COBIJA	SLCO	METAR/SPECI	SBBRYZYX KWBCYMYX EGZMSAM
COCHABAMBA	SLCB	METAR/SPECI y/and TAF	SAZZMAMX SGZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	MPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
EL TROMPILLO	SLET	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
LA PAZ	SLLP	METAR/SPECI y/and TAF	SAZZMAMX TNCAYMYX SCZZMAMX SKZZMAMX MPZZMAMX SGZZMAMX SPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SEZZMAMX MMMXYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
POTOSI	SLPO	METAR/SPECI	SBBRYZYX KWBCYMYX EGZMSAM
PUERTO SUAREZ	SLPS	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
SUCRE	SLSU	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
TARIJA	SLTJ	METAR/SPECI y/and TAF	SAZZMAMX SGZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	MPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
TRINIDAD	SLTR	METAR/SPECI y/and TAF	SGZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
VIRU VIRU	SLVR	METAR/SPECI y/and TAF	SAZZMAMX SCZZMAMX SKZZMAMX MPZZMAMX SGZZMAMX SPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
<b>BRASIL</b>			
BELEM/VAL DE CANS, PA	SBBE	METAR/SPECI y/and TAF	SLZZMAMX SOZZMAMX SYZZMAMX TNCCYMYX MPZZMAMX SMZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	TNCAYMYX TBPBYMYX SKZZMAMX MUHAYMYX SEZZMAMX MMMXYMYX SBBRYZYX KWBCYMYX EGZMSAM
BELO HORIZONTE/TANCREDO NE	SBCF	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SLZZMAMX SCZZMAMX SGZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
BOA VISTA/ BOA VISTA, RR	SBBV	METAR/SPECI y/and TAF	SOZZMAMX SYZZMAMX SMZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
BRASILIA/PRES. JUSCELINO KUBI	SBBR	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SCZZMAMX SKZZMAMX SEZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
CAMPINAS/VIRACOPOS, SP	SBKP	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX SGZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SCZZMAMX SKZZMAMX SEZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZMSAM

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
CAMPO GRANDE/CAMPO GRANDE	SBCG	METAR/SPECI y/and TAF	SLZZMAMX MPZZMAMX TUPJYMYX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
CORUMBA/CORUMBA, MS	SBCR	METAR/SPECI y/and TAF	SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
CRUZEIRO DO SUL/ CRUZEIRO DO SUL	SBCZ	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CUIBA/MARECHA RONDON, MT	SBCY	METAR/SPECI y/and TAF	SLZZMAMX SOZZMAMX SYZZMAMX TNCCYMYX SGZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX TNCCYMYX TBPBYMYX SKZZMAMX MUHAYMYX MMMXYMYX MPZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
CURITIBA/AFONSO PENA, PR	SBCY	METAR/SPECI y/and TAF	SLZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
FLORIANAPOLIS/HERCILIO LUZ, SC	SBFL	METAR/SPECI y/and TAF	SAZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
FORTALEZA/PINTO MARTINS, CE	SBFZ	METAR/SPECI y/and TAF	SOZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
FOZ DO IGUAÇU/CATARATAS, PR	SBFI	METAR/SPECI y/and TAF	SAZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SCZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
MACAPA/MACAPA, AP	SBMQ	METAR/SPECI y/and TAF	SLZZMAMX SOZZMAMX SYZZMAMX TNCCYMYX MPZZMAMX SMZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	TNCCYMYX TBPBYMYX SKZZMAMX MUHAYMYX SEZZMAMX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
MACEIÓ/TMA	SBMO	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
MANAUS/EDUARDO GOMES, AM	SBEG	METAR/SPECI y/and TAF	SLZZMAMX SOZZMAMX SYZZMAMX TNCCYMYX SGZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX TNCCYMYX TBPBYMYX SKZZMAMX MUHAYMYX MMMXYMYX MPZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
NATAL /AUGUSTO SEVERO, RN	SBNT	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
PONTA PORA/PONTA PORA, MS	SBPP	METAR/SPECI y/and TAF	SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
PORTO ALEGRE/SALGADO FILHO,	SBPA	METAR/SPECI y/and TAF	SAZZMAMX SCZZMAMX SGZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SLZZMAMX SKZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
RECIFE/GUARARAPES - GILBERTO	SBRF	METAR/SPECI y/and TAF	SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
RIO DE JANEIRO/GALEAO-ANTONI	SBGL	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX SCZZMAMX SGZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX SEZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
SALVADOR/DEPUTADO LUIS EDUARDO	SBSV	METAR/SPECI y/and TAF	SGZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
SANTAREM/SANTAREM, PA	SBSN	METAR/SPECI y/and TAF	SLZZMAMX SCZZMAMX MPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	TBPBYMYX SKZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
SAO LUIS/MARECHAL CUNHA MAC	SBSL	METAR/SPECI y/and TAF	SOZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
SAO PAULO/GUARULHOS, GOVER	SBGR	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX SCZZMAMX MPZZMAMX SGZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX MUHAYMYX SEZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
TABATINGA/ TABATINGA, AM	SBTB	METAR/SPECI y/and TAF	SLZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	MWCYMYX SBBRYZYX KWBCYMYX EGZZMSAM
URUGUAIANA/RUBEM BERTA, RS	SBTB	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
<b>BRITISH VIRGIN ISLANDS (UNITED KINGDOM)</b>			
TERRANCE B. LETTSOME, TORTOL	TUPJ	METAR/SPECI y/and TAF	TJSJYMYX TKPKYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZZMCR
VIRGIN GORDA, B.B.V.I	TUPW	METAR/SPECI y/and TAF	TJSJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZZMCR
<b>CAYMAN ISLANDS (UNITED KINGDOM)</b>			
GERRARD SMITH INTL/CAYMAN B	MWCB	METAR/SPECI y/and TAF	MROCYMYX MKJPYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCR
		TAF	MMMXYMYX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCR
OWEN ROBERTS INTL/GRAND CA	MWCR	METAR/SPECI y/and TAF	MROCYMYX MKJPYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCR
		TAF	MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCR
<b>CHILE</b>			
ANTOFAGASTA/AD CERRO MORE	SCFA	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX MPZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
ARICA/AP CHACALLUTA	SCAR	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX MPZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SEZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
BALMACEDA/AD BALMACEDA	SCBA	METAR/SPECI/TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CALAMA/AD EL LOA	SCCF	METAR/SPECI/TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CONCEPCION/AD CARRIEL SUR	SCIE	METAR/SPECI y/and TAF	SAZZMAMX MPZZMAMX SGZZMAMX SPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
IQUIQUE/AD DIEGO ARACENA	SCDA	METAR/SPECI y/and TAF	SLZZMAMX SGZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
LA SERENA/AD LA FLORIDA	SCSE	METAR/SPECI/TAF	SBBRYZYX KWBCYMYX EGZZMSAM
OSORNO/AD CANAL BAJO-CARLOS HO	SCJO	METAR/SPECI/TAF	SBBRYZYX KWBCYMYX EGZZMSAM
PUERTO MONTT/AD EL TEPUAL	SCTE	METAR/SPECI y/and TAF	SGZZMAMX SPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	MUHAYMY SBBRYZYX KWBCYMYX EGZZMSAM
PUNTA ARENAS/AD PDTE. CARLO	SCCI	METAR/SPECI y/and TAF	SAZZMAMX SGZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
SANTIAGO/AP ARTURO MERINO B.	SCEL	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX MPZZMAMX SGZZMAMX SPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX SEZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
<b>COLOMBIA</b>			
BARRANQUILLA/ATLANTICO	SKBQ	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX MPZZMAMX SGZZMAMX SPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SCZZMAMX SEZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
BUCARAMANGA/SANTANDER	SKBG	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CALIVALLE	SKCL	METAR/SPECI y/and TAF	SAZZMAMX TNCAYMYX SLZZMAMX SEZZMAMX MKJPYMYX TNCCYMYX MPZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SCZZMAMX SEZZMAMX GPYYMYX MMMXYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMSAM
CARTAGENA/BOLIVAR	SKCG	METAR/SPECI y/and TAF	TNCAYMYX MHTGYMYX MPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX MUHAYMY SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
CUCUTAN. S/DER	SKCC	METAR/SPECI y/and TAF	MUHAYMYX MHTGYMYX SBBRYZYX KWBCYMYX EGZZMSAM
LETICIA/AMAZONAS	SKLT	METAR/SPECI y/and TAF	SLZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	MWCYMYX SBBRYZYX KWBCYMYX EGZZMSAM
PEREIRA/RISARALDA	SKPE	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
RIONEGRO/ANTIOQUIA	SKRG	METAR/SPECI y/and TAF	SEZZMAMX S TGPYYMYX MHTGYMYX MKJPYMYX TNCCYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SCZZMAMX MUHAYMY SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
S/FE DE BOGOTA/C/MARCA	SKBO	METAR/SPECI y/and TAF	TNCAYMYX SLZZMAMX MROCYMYX SEZZMAMX MHTGYMYX MKJPYMYX TNCCYMYX MPZZMAMX SPZZMAMX TTPPYMYX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX MDSYMYX TFFFYMYX TFFRYMYX TGPYYMYX MNMXYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMSAM
SAN ANDRES/ILSA	SKSP	METAR/SPECI y/and TAF	MROCYMYX MUHAYMY MSSYMYX MGGTYMYX MHTGYMYX MKJPYMYX MNMGYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
<b>COSTA RICA</b>			
ALAJUELA/JUAN SANTAMARIA INT	MROC	METAR/SPECI y/and TAF	MYNNYMYX SKZZMAMX MUHAYMYX MDSYMYX MSSYMYX MGGTYMYX MHTGYMYX MKJPYMYX MNMXYMYX TNCCYMYX MNMGYMYX MPZZMAMX TJSJYMYX TUPJYMYX SBBRYZYX KWBCYMYX EGZZMAMX
		TAF	SAZZMAMX TNCAYMYX SCZZMAMX SEZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX
LIBERIA/DANIEL ODUBER QUIROS	MRLB	METAR/SPECI y/and TAF	MSSYMYX MNMGYMYX MPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX
		TAF	SAZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX
LIMON/INTL.	MRLM	METAR/SPECI y/and TAF	SKZZMAMX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX
		TAF	SAZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX
PAVAS/TOBIAS BOLANOS INTL.	MRPV	METAR/SPECI y/and TAF	MSSYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX
<b>CUBA</b>			
CAMAGUEY/IGNACIO AGRAMONT	MUCM	METAR/SPECI y/and TAF	MROCYMYX SPZZMAMX MKJPYMYX SBBRYZYX KWBCYMYX EGZZMAMX
		TAF	SAZZMAMX TBPBYMYX SYZZMAMX MNMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX
CAYO COCO/JARDINES DEL REY	MUCC	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMAMX
CAYO LARGO DEL SUR/VILO ACUN	MUCL	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMAMX
CIEGO DE AVILA/MAXIMO GOMEZ	MUCA	METAR/SPECI y/and TAF	MROCYMYX MKJPYMYX SBBRYZYX KWBCYMYX EGZZMAMX
		TAF	SAZZMAMX TBPBYMYX SYZZMAMX MNMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMAMX

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
GUANTANAMO (US NAVAL AIR BASE)	MUGM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
MUHA HABANA/JOSE MARTI INTL.	MUHA	METAR/SPECI y/and TAF	MYNNYMYX SLZZMAMX MROCYMYX MDSYMYX MKJPYMYX TNCCYMYX MNMGYMYX MPZZMAMX TJSJYMYX SVZZMAMX MKJPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX TBPBYMYX SEZZMAMX SYZZMAMX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
HOLGUIN/FRANK PAIS INTL. - CIVI	MUHG	METAR/SPECI y/and TAF	MYNNYMYX SLZZMAMX MROCYMYX MDSYMYX MKJPYMYX TNCCYMYX MNMGYMYX MPZZMAMX TJSJYMYX SVZZMAMX MKJPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX TBPBYMYX SEZZMAMX SYZZMAMX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
SANTIAGO DE CUBA/ANTONIO MA	MUCU	METAR/SPECI y/and TAF	MDSYMYX MKJPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SKZZMAMX MUHAYMY SBBRYZYX KWBCYMYX EGZZMCAR
VARADERO/JUAN G. GOMEZ INTL	MUVR	METAR/SPECI y/and TAF	MDSYMYX SGZZMAMX SV SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SKZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>DOMINICA</b>			
MELVILLE HALL, DOMINICA	TDPD	METAR/SPECI y/and TAF	TFFFYMYX TFFRYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	TAPAYMYX SBBRYZYX KWBCYMYX EGZZMCAR
ROSEAU, DOMINICA	TDPR	METAR/SPECI y/and TAF	TFFFYMYX TFFRYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
<b>DOMINICAN REPUBLIC</b>			
BARAHONA	MDBH	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
LA ROMANA/INTL	MDLR	METAR/SPECI y/and TAF	SUZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	MKJPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
PUERTO PLATA	MDPP	METAR/SPECI y/and TAF	MUHAYMYX TGPYMYX MTPPYMYX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SPZZMAMX MBGTMYX SBBRYZYX KWBCYMYX EGZZMCAR
PUNTA CANA	MDPC	METAR/SPECI y/and TAF	SKZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
SANTIAGO/CIBAO	MDST	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	MKJPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
MDHE SANTO DOMINGO/HERRERA	MDHE	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
SANTO DOMINGO/JOSE FRANCISC	MDSO	METAR/SPECI y/and TAF	TNCAYMYX MYNNYMYX TBPBYMYX SKZZMAMX MROCYMYX MUHAYMYX TFFFYMYX TFFRYMYX TGPYMYX MTPPYMYX MHTGYMYX MKJPYMYX TNCCYMYX MNMGYMYX MPZZMAMX TJSJYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SEZZMAMX SOZZMAMX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>ECUADOR</b>			
GUAYAQUIL	SEGU	METAR/SPECI y/and TAF	SLZZMAMX SKZZMAMX TNCCYMYX MPZZMAMX SGZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX MWCYMYX SCZZMAMX MUHAYMYX MMMXYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMSAM
LATACUNGA	SELT	METAR/SPECI y/and TAF	SLZZMAMX SKZZMAMX TNCCYMYX MPZZMAMX SGZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX MWCYMYX SCZZMAMX MROCYMYX MUHAYMYX MMMXYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMSAM
MANTA	SEMT	METAR/SPECI y/and TAF	SLZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SCZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
QUITO	SEQU	METAR/SPECI y/and TAF	SLZZMAMX SKZZMAMX TNCCYMYX MPZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX MROCYMYX MUHAYMYX MMMXYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMSAM
<b>EL SALVADOR</b>			
AEROPUERTO INTERNACIONAL D	MSSS	METAR/SPECI y/and TAF	MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
AEROPUERTO INTERNACIONAL EL	MSLP	METAR/SPECI y/and TAF	MZBZYMYX MROCYMYX MUHAYMY MGGTYMYX MHTGYMYX MKJPYMYX MNMGYMYX MNMGYMYX MPZZMAMX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
<b>FRENCH ANTILLES (FRANCE)</b>			
FORT DE FRANCE /LE LAMENTIN	TFFF	METAR/SPECI y/and TAF	TAPAYMYX TNCAYMYX TBPBYMYX MUHAYMYX TDPDYMYX MDSYMYX SOZZMAMX TGPYMYX SYZZMAMX MKJPYMYX TRPMYMYX TNCCYMYX MPZZMAMX TJSJYMYX TLPLYMYX TVSVYMYX TTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SKZZMAMX SEZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
POINTE A PITRE, LE RAIZET, GUA	TFFR	METAR/SPECI y/and TAF	TAPAYMYX TNCAYMYX TBPBYMYX SKZZMAMX MUHAYMYX TDPDYMYX MDSYMYX SOZZMAMX SYZZMAMX MKJPYMYX TRPMYMYX TNCCYMYX

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
			MPZZMAMX TJSJYMYX TKPKYMYX TLPLYMYX TVSVYMYX TTPPYMYXSVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SEZZMAMX MTPPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
SAINT BARTHELEMY, FRENCH AN	TFFJ	METAR/SPECI y/and TAF	TQPFYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	MKJPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
SAINT MARTIN, GRANDE CASE, G	TFFG	METAR/SPECI y/and TAF	SKZZMAMX SMZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MUHAYMY SBBRYZYX KWBCYMYX EGZZMCAR
<b>FRENCH GUIANA (FRANCE)</b>			
SOCA CAYENNE-ROCHAMBEAU	SOCA	METAR/SPECI y/and TAF	TBPBYMYX TFFFYMYX TFFRYMYX SYZZMAMX TNCCYMYX SMZZMAMX TTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SEZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
<b>GRENADA</b>			
LAURISTON, CARRIACOU, GRENA	TGPZ	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
POINT SALINES, GRENADA	TGPY	METAR/SPECI y/and TAF	TAPAYMYX TBPBYMYX MZBZYMYX SKZZMAMX TLPLYMYX TVSVYMYX TTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>GUATEMALA</b>			
LA AURORA	MGGT	METAR/SPECI y/and TAF	MYNNYMYX MZBZYMYX SKZZMAMX MRCOYMYX HUHAYMYX MDSYMYX MSSSYMYX MTPPYMYX MHTGYMYX MKJPYMYX MMMXYMYX TNCCYMYX MNMGYMYX MPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	TNCAYMYX SEZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
PUERTO BARRIOS	MGPB	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
PUERTO DE SAN JOSE	MGSJ	METAR/SPECI y/and TAF	MYNNYMYX MZBZYMYX SKZZMAMX MRCOYMYX HUHAYMYX MDSYMYX MSSSYMYX MGGTYMYX MTPPYMYX MHTGYMYX MKJPYMYX MMMXYMYX TNCCYMYX MNMGYMYX MPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX TNCAYMYX SEZZMAMX SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
TIKAL	MGTK	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
<b>GUYANA</b>			
SYCJ CHEDDI JAGAN INTERNATIONAL	SYCJ	METAR/SPECI y/and TAF	TBPBYMYX SKZZMAMX MUHAYMYX FFFYMYX FFRYMYX SYZZMAMX MMMXYMYX TNCCYMYX SGZZMAMXTJSJYMYX TLPLYMYX TTPPYMYX MBGTMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
<b>HAITI</b>			
CAP HAITIEN	MTCH	METAR/SPECI y/and TAF	MBGTMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
MTPP PORT-AU-PRINCE/INTL	MTPP	METAR/SPECI y/and TAF	MYNNYMYX SKZZMAMX MUHAYMYX MDSYMYX FFFYMYX FFRYMYX TNCCYMYX MPZZMAMX TJSJYMYX MBGTMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX TNCAYMYX TBPBYMYX SMZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>HONDURAS</b>			
LA CEIBA/GOLOSON INTL	MHLC	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
ROATAN INTL.	MHRO	METAR/SPECI y/and TAF	MZBZYMYX MROCYMYX MUHAYMYX MSSSYMYXMGGTYMYX MKJPYMYX MMMXYMYX MNMGYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
SAN PEDRO SULA/LA MESA	MHLM	METAR/SPECI y/and TAF	MZBZYMYX SKZZMAMX MROCYMYX MUHAYMYX MSSSYMYXMGGTYMYX MKJPYMYX MMMXYMYX MNMGYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
TEGUCIGALPA/TONCONTIN	MHTG	METAR/SPECI y/and TAF	MZBZYMYX MROCYMYX MUHAYMYX MSSSYMYXMGGTYMYX MKJPYMYX MNMGYMYX MPZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MMMXYMYX SEZZMAMX SOZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>JAMAICA</b>			
KINGSTON/NORMAN MANLEY	MKJP	METAR/SPECI y/and TAF	MYNNYMYX TBPBYMYX MZBZYMYX MWCRYMYX SKZZMAMX MRCOYMYX HUHAYMYX MDSYMYX MGGTYMYX MTPPYMYX MHTGYMYX MMMXYMYX TRPMYMYX TNCCYMYX SGZZMAMX TJSJYMYX MBGTMYX TUPJYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX TNCAYMYX SEZZMAMX SOZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
MONTEGO BAY/SANGSTER	MKJS	METAR/SPECI y/and TAF	MYNNYMYX TBPBYMYX MZBZYMYX MWCYRYMYX SKZZMAMX MRCOYMYX HUHAYMYX MGGTYMYX MTPPYMYX MHTGYMYX MMMXYMYX TNCCYMYX MPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>MEXICO</b>			
ACAPULCO	MMAA	METAR/SPECI y/and TAF	MROCYMYX MUHAYMYX MSSSYMYX MGGTYMYXMPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MYNNYMYX SKZZMAMX SEZZMAMX MHTGYMYX SEZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
AEROPUERTO DEL NORTE	MMAN	METAR/SPECI y/and TAF	MPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SEZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
AGUASCALIENTES	MMAS	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
BAHIAS DE HUATULCO	MMBT	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
CAMPECHE	MMCP	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
CANCUN	MMUN	METAR/SPECI y/and TAF	MYNNYMYX MUHAYMYX MDSYMYX MHTGYMYX MKJPYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SKZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
CD. JUAREZ	MMCS	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
CD. VICTORIA	MMCV	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
CHETUMAL	MMCM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
CHIHUAHUA	MMCU	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
CIUDAD ACUNA	MMCC	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
CIUDAD DEL CARMEN	MMCE	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
CIUDAD OBREGON	MMCN	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
COZUMEL	MMCZ	METAR/SPECI y/and TAF	MYNNYMYX MZBZYMYX MWCYRYMYX MROCYMYX MUHAYMYX MSSSYMYX MGGTYMYX MNMGYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	TBPBYMYX MHTGYMYX SPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
CULIACAN	MMCL	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
DURANGO	MMDO	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
GUADALAJARA	MMGL	METAR/SPECI y/and TAF	MYNNYMYX MUHAYMYX BBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SKZZMAMX SEZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
GUAYMAS	MMGM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
HERMOSILLO	MMHO	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
IXTAPA-ZIHUATANEJO	MMZH	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
LA PAZ	MMLP	METAR/SPECI y/and TAF	MSSSYMYX SBBRYZYX KWBCYMYX EGZZMCAR
LEON	MMLO	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
LORETO	MMLT	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
MANZANILLO	MMZO	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
MATAMORO	MMAA	METAR/SPECI y/and TAF	MUHAYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SEZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
MAZATLAN	MMMZ	METAR/SPECI y/and TAF	MSSSYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
MERIDA	MMMD	METAR/SPECI y/and TAF	MYNNYMYX MZBZYMYX MWCYRYMYX MROCYMYX MUHAYMYX MSSSYMYX MGGTYMYX MTPPYMYX MNMGYMYX MPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	TBPBYMYX MHTGYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
MEXICALI	MMML	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
MEXICO	MMMXX	METAR/SPECI y/and TAF	MYNNYMYX MZBZYMYX SLZZMAMX MROCYMYX MUHAYMYX MDSYMYX MSSSYMYX MGGTYMYX MHTGYMYX MNMGYMYX MPZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX SCZZMAMX SKZZMAMX SEZZMAMZ SPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
MONTERREY	MMMY	METAR/SPECI y/and TAF	MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SEZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
MORELIA	MMMM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
NOGALES	MMNG	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
NUEVO LAREDO	MMNL	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
OAXACA	MMOX	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
PIEDRAS NEGRAS	MMPG	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
PUERTO ESCONDIDO	MMPS	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
PUERTO VALLARTA	MMPR	METAR/SPECI y/and TAF	MZBZMYX SLZZMAMX MROCYMYX MUHAYMYX MDSYMYX MSSSYMYX MGTYMYX MHTGYMYX MNMGYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MYNNYMYX SCZZMAMX SKZZMAMX SPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
REYNOSA	MMRX	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
SAN FELIPE	MMSF	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
SAN JOSE DEL CABO	MMSD	METAR/SPECI y/and TAF	MSSSYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MUHAYMY SBBRYZYX KWBCYMYX EGZZMCAR
SAN LUIS POTOSI	MMSP	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
TAMPICO	MMTM	METAR/SPECI y/and TAF	MZBZMYX SLZZMAMX MROCYMYX MUHAYMYX MDSYMYX MSSSYMYX MGTYMYX MHTGYMYX MNMGYMYX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MYNNYMYX SCZZMAMX SKZZMAMX SEZZMAMZ SPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
TAPACHULA	MMTP	METAR/SPECI y/and TAF	MSSSYMYX SBBRYZYX KWBCYMYX EGZZMCAR
TIJUANA	MMTJ	METAR/SPECI y/and TAF	MSSSYMYX SBBRYZYX KWBCYMYX EGZZMCAR
TOLUCA	MMTO	METAR/SPECI y/and TAF	MSSSYMYX SBBRYZYX KWBCYMYX EGZZMCAR
TORREON	MMTC	METAR/SPECI y/and TAF	MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SEZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
VERACRUZ	MMVR	METAR/SPECI y/and TAF	MZBZMYX SLZZMAMX MROCYMYX MUHAYMYX MDSYMYX MSSSYMYX MGTYMYX MHTGYMYX MNMGYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MYNNYMYX SCZZMAMX SKZZMAMX SEZZMAMZ SPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCAR
VILLAHERMOSA	MMVA	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
ZACATECAS	MMZC	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
<b>NETHERLANDS ANTILLES (NETHERLANDS)</b>			
BONAIRE/FLAMINGO	TNCB	METAR/SPECI y/and TAF	SYZZMAMX MTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
CURACAO/AEROPUERTO HATO	TNCC	METAR/SPECI y/and TAF	TAPAYMYX MYNNYMYX SKZZMAMX MUHAYMYX MDSYMYX SEZZMAMX TFFRYMYX TFFRYMYX MGGTYMYX SYZZMAMX MTPPYMYX MKJPYMYX MPZZMAMX TJSJYMYX SMZZMAMX TTPPYMYX SVZZMAMXSBBRYZYX KWBCYMYX EGZZMCAR
		TAF	SAZZMAMX MROCYMYX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
ST. EUSTATIUS/F.D ROOSEVELT	TNCE	METAR/SPECI y/and TAF	SKZZMAMX TJSJYMYX TKPKYMYX SBBRYZYX KWBCYMYX EGZZMCAR
ST. MAARTEN/PRINCESS JULIANA	TNCM	METAR/SPECI y/and TAF	SAZZMAMX TAPAYMYX TBPBYMYX MDSYMYX TFFRYMYX TFFRYMYX TJSJYMYX TKPKYMYX TUPJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZZMCAR
<b>NICARAGUA</b>			
MANAGUA/MANAGUA	MNMG	METAR/SPECI y/and TAF	MZBZMYX SKZZMAMX MROCYMYX MUHAYMYX MDSYMYX MSSSYMYX MGTYMYX MHTGYMYX MMMXYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	TJSJYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
PUERTO CABEZAS/ZELAYA	MNPC	METAR/SPECI y/and TAF	MROCYMYX MUHAYMYX MHTGYMYX MPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>PANAMA</b>			
BOCAS DEL TORO/BOCAS DEL TORO	MPBO	METAR/SPECI	SBBRYZYX KWBCYMYX EGZZMSAM
CHANGUINOLA/MANUEL NINO	MPCH	METAR/SPECI	SBBRYZYX KWBCYMYX EGZZMSAM
DAVID/ENRIQUE MALEK	MPDA	METAR/SPECI y/and TAF	TNCAYMYX MYNNYMYX SLLZZMAMX MWCYMYX SKZZMAMX MRCOYMYX MUHAYMYX MDSYMYX SEZZMAMX MGGTYMYX MHTGYMYX MKJPYMYX MMMXYMYX TNCCYMYX MNMGYMYX SPZZMAMX TJSJYMYX TTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX MSSSYMYX MTPPYMYX SBBRYZYX KWBCYMYX EGZZMSAM
PANAMA/MARCOS A. GELABERT	MPMG	METAR/SPECI y/and TAF	TNCAYMYX MYNNYMYX SLLZZMAMX MWCYMYX SKZZMAMX MRCOYMYX MUHAYMYX MDSYMYX SEZZMAMX MGGTYMYX MHTGYMYX MKJPYMYX MMMXYMYX TNCCYMYX MNMGYMYX SPZZMAMX TJSJYMYX TTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX MSSSYMYX MTPPYMYX SBBRYZYX KWBCYMYX EGZZMSAM
PANAMA/TOCUMEN	MPTO	METAR/SPECI y/and TAF	TNCAYMYX MYNNYMYX SLLZZMAMX MWCYMYX SKZZMAMX MRCOYMYX MUHAYMYX MDSYMYX SEZZMAMX MGGTYMYX MHTGYMYX MKJPYMYX MMMXYMYX TNCCYMYX MNMGYMYX SPZZMAMX TJSJYMYX TTPPYMYX

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			SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX SCZZMAMX MSSSYMYX MTPPYMYX SBBRYZYX KWBCYMYX EGZZMSAM
<b>PARAGUAY</b>			
ASUNCION/S.PETTIROSSI	SGAS	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX SCZZMAMX MMMXYMYX MPZZMAMX SPZZMAMX SUZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
CIUDAD DEL ESTE/GUARANI	SGES	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
<b>PERU</b>			
ANDAHUAYLAS	SPHY	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
SPQU AREQUIPA/RODRIGUEZ BALLON	SPQU	METAR/SPECI y/and TAF	SCZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
AYACUCHO/CORONEL FAP ALFREDO M	SPHO	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CHICLAYO/CAP. JOSE ABELARDO	SPHI	METAR/SPECI y/and TAF	SLZZMAMX SCZZMAMX SKZZMAMX TNCAYMYX SEZZMAMX TNCCYMYX MPZZMAMX SGZZMAMX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX TNCAYMYX MWCYRYMYX MROCYMYX MUHAYMY MMMXYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMSAM
CUSCO/VELAZCO ASTETE	SPZO	METAR/SPECI y/and TAF	SLZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
IQUITOS/CORONEL FAP FRANCIS	SPQT	METAR/SPECI y/and TAF	SKZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	MWCYRYMYX SBBRYZYX KWBCYMYX EGZZMSAM
JULIACA	SPJL	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
LIMA-CALLAO/INTL JORGE CHAVE	SPIM	METAR/SPECI y/and TAF	SLZZMAMX SCZZMAMX SKZZMAMX SEZZMAMX MPZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX TNCAYMYX MWCYRYMYX MROCYMYX MUHAYMY MMMXYMYX TNCCYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
PISCO	SPSO	METAR/SPECI y/and TAF	SLZZMAMX SCZZMAMX SKZZMAMX SEZZMAMX MPZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX MWCYRYMYX MROCYMYX MUHAYMY SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
PTO. MALDONADO/PADRE ALDAMIZ	SPTU	METAR/SPECI	SBBRYZYX KWBCYMYX EGZZMSAM
TACNA/CORONEL FAP CARLOS CI	SPTN	METAR/SPECI y/and TAF	SLZZMAMX SCZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX MUHAYMY SBBRYZYX KWBCYMYX EGZZMSAM
SPYL TALARA/CAPITAN MONTES	SPYL	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
TRUJILLO/CAPITAN CARLOS MART	SPRU	METAR/SPECI y/and TAF	SLZZMAMX SCZZMAMX SKZZMAMX SEZZMAMX MPZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SAZZMAMX TNCAYMYX MWCYRYMYX MROCYMYX MUHAYMY MMMXYMYX TNCCYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
TUMBES/PEDRO CANGA	SPME	METAR/SPECI	SBBRYZYX KWBCYMYX EGZZMSAM
<b>PUERTO RICO (UNITED STATES)</b>			
AGUADILLA/RAPHAEL HERNANDE	TJBQ	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCR
FAJARDO/DIEGO JIMENEZ TORRE	TJFA	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCR
MAYAGUEZ/EUGENIO MARIA DE HOST	TJMZ	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCR
PONCE/MERCEDITA, PR.	TJPS	METAR/SPECI y/and TAF	TQPFYMYX TAPAYMYX TBPBYMYX SKZZMAMX TDPDYMYX MDSYMYX TFFRYMYX TFFRYMYX MTPPYMYX MKJPYMYX TNCCYMYX MPZZMAMX TKPKYMYX TUPJYMYX SBBRYZYX KWBCYMYX EGZZMCR
		TAF	TNCAYMYX MROCYMYX SEZZMAMX MGGTYMYX MUHAYMY TJSJYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCR
ROOSEVELT ROADS NAS, PR.	TJNR	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCR
SAN JUAN/LUIS MUNOZ MARIN INT	TJSJ	METAR/SPECI y/and TAF	TQPFYMYX TAPAYMYX TNCAYMYX TBPBYMYX SKZZMAMX MUHAYMYX TDPDYMYX MDSYMYX TFFRYMYX TFFRYMYX MTPPYMYX MKJPYMYX MMMXYMYX TNCCYMYX MPZZMAMX TKPKYMYX TPLPYMYX TTPPYMYX SVZZMAMX TUPJYMYX SBBRYZYX KWBCYMYX EGZZMCR
		TAF	SAZZMAMX MROCYMYX SEZZMAMX SOZZMAMX MGGTYMYX MHTGYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCR
VIEQUES, ISLA DE VIEQUES, PR.	TJVQ	METAR/SPECI y/and TAF	TQPFYMYX TAPAYMYX TBPBYMYX SKZZMAMX TDPDYMYX MDSYMYX TFFRYMYX TFFRYMYX MTPPYMYX MKJPYMYX TNCCYMYX MPZZMAMX TKPKYMYX TUPJYMYX SBBRYZYX KWBCYMYX EGZZMCR
		TAF	TNCAYMYX MROCYMYX SEZZMAMX MGGTYMYX MMMXYMYX TJSJYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCR
<b>SAINT KITTS AND NEVIS</b>			
ROBERT L. BRADSHAW, ST. CHRIS	TKPK	METAR/SPECI y/and TAF	TQPFYMYX TAPAYMYX TFFRYMYX TFFRYMYX TRPMYMYX TNCCYMYX TJSJYMYX TTPPYMYX TUPJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZZMCR
VANCE WINKWORTH AMORY, ST.	TKPN	METAR/SPECI y/and TAF	TQPFYMYX TNCCYMYX TJSJYMYX SBBRYZYX KWBCYMYX EGZZMCR

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<b>SAINT LUCIA</b>			
GEORGE CHARLES, SAINT LUCIA	TLPC	METAR/SPECI y/and TAF	TAPAYMYX TBPBYMYX TFFFYMYX TFFRYMYX TGPGYMYX SYZZMAMX TJSJYMYX TVSVYMYX TTPPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
HEWANORRA SAINT LUCIA	TLPL	METAR/SPECI y/and TAF	TAPAYMYX TBPBYMYX MZBZYMYX SKZZMAMX MDSYMYX TFFFYMYX TFFRYMYX TGPGYMYX MTPPYMYX MKJPYMYX TNCCYMYX TJSJYMYX TKPKYMYX TTPPYMYX SVZZMAMX TUPJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	MROCYMYX MGGTYMYX SBBRYZYX KWBCYMYX EGZZMCAR
<b>SAINT VINCENT AND THE GRENADINES</b>			
CANOUAN,ST.VINCENT AND THE	TVSC	METAR/SPECI y/and TAF	TBPBYMYX MZBZYMYX TFFFYMYX TFFRYMYX TGPPYMYX TLPLYMYX TTPPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
E.T.JOSHUA,ST.VINCENT, AND TH	TVSV	METAR/SPECI y/and TAF	TBPBYMYX MZBZYMYX TFFFYMYX TFFRYMYX TGPPYMYX TLPLYMYX TTPPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
J.F. MITCHELL,BEQUIA ST.VINCEN	TVSB	METAR/SPECI y/and TAF	SYZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
MUSTIQUE,ST.VINCENT AND THE	TVSM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
UNION ISLAND,ST.VINCENT AND T	TVSU	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMCAR
<b>SURINAME</b>			
J.A. PENGEL INTL.AIRP	SMJP	METAR/SPECI y/and TAF	TBPBYMYX SKZZMAMX TFFFYMYX TFFRYMYX SOZZMAMX SYZZMAMX TNCCYMYX TJSJYMYX TTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SEZZMAMX MTPPYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
NICKERIE/MAJ. FERNANDES	SMNI	METAR/SPECI y/and TAF	TBPBYMYX SKZZMAMX TFFFYMYX TFFRYMYX SOZZMAMX SYZZMAMX TNCCYMYX TJSJYMYX TTPPYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SEZZMAMX MTPPYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
ZORG EN HOOP	SMZO	METAR/SPECI y/and TAF	SYZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
<b>TRINIDAD AND TOBAGO</b>			
CROWN POINT,TOGAGO	TTCP	METAR/SPECI y/and TAF	TAPAYMYX TBPBYMYX TFFFYMYX TFFRYMYX TGPGYMYX SYZZMAMX TNCCYMYX TKPKYMYX TLPLYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
PIARCO,TRINIDAD	TTPP	METAR/SPECI y/and TAF	TAPAYMYX TBPBYMYX SKZZMAMX MDSYMYX TFFFYMYX TFFRYMYX TGPGYMYX SYZZMAMX MTPPYMYX MKJPYMYX TNCCYMYX TJSJYMYX TKPKYMYX TLPLYMYX TVSVYMYX SMZZMAMX SVZZMAMX TUPJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	TNCAYMYX MSSSYMYX SOZZMAMX MGGTYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMCAR
<b>TURKS AND CAICOS IS. (UK)</b>			
GRAND TURK	MBGT	METAR/SPECI y/and TAF	SMDSDYMYX MTPPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
PROVIDENCIALES	MBPV	METAR/SPECI y/and TAF	MTPPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
		TAF	MYNNYMYX SBBRYZYX KWBCYMYX EGZZMCAR
SOUTH CAICOS	MBSC	METAR/SPECI y/and TAF	MTPPYMYX SBBRYZYX KWBCYMYX EGZZMCAR
<b>URUGUAY</b>			
COLONIA/INTL "LAGUNA DE LOS P	SUCA	METAR/SPECI y/and TAF	SAZZMAMX SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
MALDONADO/ INTL C/C CARLOS A.	SULS	METAR/SPECI y/and TAF	SAZZMAMX SGZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
MONTEVIDEO/AD ANGEL S. ADAMI	SUAA	METAR/SPECI y/and TAF	SAZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
MONTEVIDEO/INTL.CARRASCO "G	SUMU	METAR/SPECI y/and TAF	SAZZMAMX SLZZMAMX SCZZMAMX SGZZMAMX SPZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
		TAF	SKZZMAMX MUHAYMY MMMXYMYX SVZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
RIVERA/INTL. PRESIDENTE GENE	SURV	METAR/SPECI y/and TAF	SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
SALTO/INTL.NUEVA HESPERIDES	SUSO	METAR/SPECI y/and TAF	SGZZMAMX SBBRYZYX KWBCYMYX EGZZMSAM
<b>VENEZUELA</b>			
ACARIGUA, PORTUGUESA	SVAC	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
B. A. GENERALISIMO FRANCISCO DE MIRANDA	SVFM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
BARCELONA, ANZOATEGUI	SVBC	METAR/SPECI y/and TAF	TTPPYMYX SBBRYZYX KWBCYMYX EGZZMSAM
BARINAS, BARINAS	SVBI	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
BARQUISIMETO, LARA	SVBM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CALABOZO, GUARICO	SVCL	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CIUDAD BOLIVAR, BOLIVAR	SVCB	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CORO, FALCON	SVCR	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
CUMANA, SUCRE	SVCU	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
GUANARE, PORTUGUESA	SVGU	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
GUIRIA, SUCRE	SVGI	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM
HIGUEROTE, MIRANDA	SVHG	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZZMSAM

CITY/AERODROME/ CIUDAD/AERÓDROMO	Ind. de lugar OACI	INTERNACIONAL OPMET REQUIREMENT OF/ REQUERIMIENTO INTERNACIONAL DE METAR/SPECI y TAF	Direcciones AFTN / AFTN Addresses
MAIQUETIA, INTERNACIONAL SIMON BOLIVAR	SVMI	METAR/SPECI y/and TAF	TAPAYMYX TNCAYMYX MYNNYMYX TBPBYMYX SLZZMAMX SKZZMAMX MUHAYMYX TDPDYMYX MDSYMYX SEZZMAMX TFFYMYX TFFRYMYX SOZZMAMX TGPYMYX SYZZMAMX MTPPYMYX MKJPYMYX TNCCYMYX MPZZMAMX TJSJYMYX TKPKYMYX TLPYMYX SMZZMAMX TTPPYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SAZZMAMX SCZZMAMX MGGTYMYX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
MARACAIBO, ZULIA	SVMC	METAR/SPECI y/and TAF	TNCAYMYX MYNNYMYX SKZZMAMX MUHAYMYX MDSYMYX SEZZMAMX MKJPYMYX TNCCYMYX MPZZMAMX TJSJYMYX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SAZZMAMX SLZZMAMX MGGTYMYX MMMXYMYX SPZZMAMX MGGTYMYX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
MARGARITA, NUEVA ESPARTA	SVMG	METAR/SPECI y/and TAF	TBPBYMYX SKZZMAMX SEZZMAMX TFFYMYX TFFRYMYX TNCCYMYX MPZZMAMX TJSJYMYX SMZZMAMX TTPPYMYX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SAZZMAMX TNCAYMYX MGGTYMYX MMMXYMYX SBBRYZYX KWBCYMYX EGZMSAM
MATURIN, MONAGAS	SVMT	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
MERIDA, MERIDA	SVMD	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
PARAGUANA, JOSEFA CAMEJO, F	SVJC	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
PUERTO AYACUCHO, AMAZONAS	SVPA	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
SAN ANTONIO, TACHIRA	SVSA	METAR/SPECI y/and TAF	MPZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
SAN FERNANDO DE APURE, APURE	SVSR	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
SAN JUAN DE LOS MORROS, GUARICO	SVJM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
SANTO DOMINGO, B.A.MAYOR BUENAVENTURA	SVSO	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
TUMEREMO, BOLIVAR	SVTM	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
VALENCIA, CARABOBO	SVVA	METAR/SPECI y/and TAF	TAPAYMYX TNCAYMYX MYNNYMYX TBPBYMYX SLZZMAMX SKZZMAMX MUHAYMYX TDPDYMYX MDSYMYX SEZZMAMX TFFYMYX TFFRYMYX SOZZMAMX TGPYMYX SYZZMAMX MTPPYMYX MKJPYMYX TNCCYMYX MPZZMAMX TJSJYMYX TKPKYMYX TLPYMYX SMZZMAMX TTPPYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZMSAM
		TAF	SAZZMAMX SCZZMAMX MGGTYMYX MMMXYMYX SPZZMAMX SBBRYZYX KWBCYMYX EGZMSAM
VALLE DE LA PASCUA, GUARICO	SVVP	METAR/SPECI y/and TAF	SBBRYZYX KWBCYMYX EGZMSAM
<b>VIRGIN ISLANDS (UNITED KINGDOM)</b>			
ROADTOWN	TUPJ	METAR/SPECI y/and TAF	TJSJYMYX TKPKYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZMCAR
VIRGIN GORDA i.	TUPW	METAR/SPECI y/and TAF	TJSJYMYX TISTYMYX SBBRYZYX KWBCYMYX EGZMCAR
<b>VIRGIN ISLANDS (UNITED STATES)</b>			
CHARLOTTE AMALIE ST. THOMAS/	TIST	METAR/SPECI y/and TAF	TJSJYMYX TKPKYMYX SBBRYZYX KWBCYMYX EGZMCAR
HENRY.E.ROHLSSEN	TISX	METAR/SPECI y/and TAF	TJSJYMYX SBBRYZYX KWBCYMYX EGZMCAR

## ADJUNTO/ATTACHMENT

### DIRECCIONES AFTN PARA EL INTERCAMBIO DE DATOS OPMET EN LOS ESTADOS DE LAS REGIONES CAR/SAM /AFTN ADDRESSES TO EXCHANGE OPMET DATA IN CAR/SAM STATES

Estado/Banco/ISCS, SADIS / State/Bank/ISCS, SADIS	AFTN
Anguilla I. (U.K.)	TQPFYMYX
Antigua and Barbuda	TAPAYMYX
Argentina	SAZZMAMX
Aruba (Netherlands)	TNCAYMYX
Bahamas	MYNNYMYX
Barbados	TBPBYMYX
Belize	MZBZYMYX
Bolivia	SLZZMAMX
Brazil	SBBRYZYX
Cayman Is. (U.K.)	MWCRYMYX
Chile	SCZZMAMX
Colombia	SKZZMAMX
Costa Rica	MROCYMYX
Cuba	MUHAYMYX
Dominica	TDPDYMYX
Dominican Republic	MDSYMYX
Ecuador	SEZZMAMX
El Salvador	MSSSYMYX
French Antilles (France)	TFFFYMYX-TFFRYMYX
French Guiana (France)	SOZZMAMX
Grenada	TGPYMYX
Guatemala	MGGYMYX
Guyana	SYZZMAMX
Haiti	MTPPYMYX
Honduras	MHTGYMYX
Jamaica	MKJPYMYX
Mexico	MMXYMYX
Montserrat I. (U.K.)	TRPMYMYX
Netherland Antilles (Netherlands)	TNCCYMYX
Nicaragua	MNMGYMYX
Panama	MPZZMAMX
Paraguay	SGZZMAMX
Peru	SPZZMAMX
Puerto Rico (U.S.)	TJSJYMYX
Saint Kitts and Nevis	TKPKYMYX
Saint Lucia	TLPLYMYX
S. Vincent and the Grenadines	TVSVYMYX
Suriname	SMZZMAMX
Trinidad and Tobago	TTPPYMYX
Turks and Caicos Islands (U.K.)	MBGTYMYX
Uruguay	SUZZMAMX
Venezuela	SVZZMAMX
Virgin Islands (U.K.)	TUPJYMYX
Virgin Islands (U.S.)	TISTYMYX
Banco OPMET de Brasilia/asilia OPMET data Bank	SBBRYZYX
Viena OPDB (Solo/only SIGMET WV)	LOZZMSS
ISCS	KWBCYMYX
VAAC Buenos Aires	SAZZMAMX
VAAC Washington	KWBCYMYX
SADIS (Estados de la Región CAR/CAR Region States)	EGZZMCAR
SADIS (Estados de la Región SAM/SAM Region States)	EGZZMSAM

Nota: El envío de los ASHTAM y NOTAM sobre cenizas volcánicas al SADIS deben hacerse a través del VAAC de Londres a la dirección AFTN: EGZZVANW / The remittance of ASHTAM and NOTAM on volcanic ash to SADIS should be done through the VACC of London to the AFTN address: EGZZVANW

**EDIS Access Request Form**

1. Name of NMC or sender: \_\_\_\_\_

2. From eMail Address: \_\_\_\_\_

3. Name of Contact(s): \_\_\_\_\_

4. Phone number(s): \_\_\_\_\_

5. Name of Shift Observer(s): \_\_\_\_\_

6. Phone Number(s): \_\_\_\_\_

7. Name of Chief Forecaster: \_\_\_\_\_

6. Phone Number(s): \_\_\_\_\_

**C&A POC Information**

Name of NMC:

- 1) Operations Point of Contact (Name, Phone Number, Email)
- 2) Technical Point of Contact (Name, Phone Number, Email)
- 3) Management Point of Contact (Name, Phone Number, Email)

**Table 3-1. Aeronautical meteorological information supplied to ATS units**

<i>Information</i>	<i>Distributor</i>	<i>Destination</i>	<i>Frequency</i>	<i>Communications means</i>
METAR and local routine reports with trend forecast*, as required	Aeronautical MET station [trend forecast prepared by MET office]	TWR APP ACC FIC COM station	Hourly**	See Note 1 See Note 1 See Note 1 See Note 1 See Note 2
SPECI and local special reports with trend forecast*, as required	Aeronautical MET station [trend forecast prepared by MET office]	TWR APP ACC FIC COM station	When warranted	See Note 1 See Note 1 See Note 2 See Note 2 See Note 2
TAF	MET office	TWR APP ACC FIC COM station	Every 3 or 6 hours	See Note 1 See Note 1 See Note 1 or 2 See Note 1 or 2 See Note 2
Aerodrome warnings	MET office	TWR APP COM station Aerodrome services	When warranted	See Note 1 See Note 1 or 2 See Note 2
Upper wind and temperature forecasts	MET office and/or MWO (data to be obtained through the WAFS)	ACC FIC	Every 6 hours (if required)	See Note 2 See Note 2
Significant en-route weather forecast	MET office and/or MWO (data to be obtained through the WAFS)	ACC FIC	Every 6 hours	See Note 2
SIGMET and AIRMET	MWO	TWR APP ACC FIC COM station	When warranted	See Note 1 See Notes 1 and 2 See Notes 1 and 2 See Notes 1 and 2 See Note 2
Wind shear warnings and alerts	MET office	TWR APP	When warranted	See Note 1 See Note 1
Tropical cyclone advisory	TCAC/MWO	ACC FIC	When warranted	See Notes 1 and 2
Volcanic ash advisory	VAAC/MWO	ACC FIC	When warranted	See Notes 1 and 2
Information on accidental release of radioactive material, i.e. location of the accident and forecast trajectories of the radioactive material	MWO (normally, the information obtained from the WMO RMSC concerned)	ACC FIC	When warranted	See Notes 1 and 2
Information on volcanic eruptions and volcanic ash for which a SIGMET has not yet been issued.	MWO VAAC	TWR APP ACC FIC	When warranted	

\* Trend forecasts to be added to local reports and METAR/SPECI for those stations so identified in the air navigation plan.

\*\* Or half-hourly if so decided by regional air navigation agreement.

*Note 1.— Communications by intranet, closed-circuit TV, video display unit, or similar. If none of these are available, or during unavailability periods, communications by phone, followed if possible by confirmation by other means.*

*Note 2.— Communications by teleprinter.*

**LIST OF POINTS OF CONTACT FOR OPMET EXCHANGE /  
LISTA DE PUNTOS DE CONTACTO PARA EL INTERCAMBIO OPMET**

**CAR/SAM REGIONS**

<b>Nominated by/ Nominado por</b>	<b>Name/Nombre</b>	<b>Postal address/ Dirección Postal</b>	<b>Contact information/ Información de contacto</b>
ANGUILLA (United Kingdom)			Tel: Fax: Cel/Mobile: E-mail:
ANTIGUA AND BARBUDA	Keithley meade Director	Angigua & Barbuda Meteorological Services	Tel: Fax: Cel/Mobile: E-mail:
ARGENTINA	Pronosticador Jorge Oscar Leguizamón Auxiliar del Dpto. de Meteorología Aeronáutica Servicio Meteorológico Nacional	25 de Mayo 658 Buenos Aires, C.P. 1002ABN ARGENTINA	Tel: +5411 5167 6707 Fax: +5411 5167 6709 Cel/Mobile : E-mail: jolegui@smn.gov.ar
ARUBA (Netherlands)			Tel: Fax: Cel/Mobile: E-mail:
BAHAMAS			Tel: Fax: Cel/Mobile: E-mail:
BARBADOS	E. Anthony Archer	Block 4 Grantley Adams Industrial Park Grantley Adams Int'l Airport Christ Church BARBADOS	Tel: +1-246 428 0930 Fax: +1-246 428 2539 Cel/Mobile: +1-246 203-6022 E-mail: civilav@sunbeach.net
BELIZE			Tel: Fax: Cel/Mobile: E-mail:
BOLIVIA	Walter Ríos Aliaga Jefe Meteorología Regional La Paz AASANA	Administración de Aeropuertos y Servicios Auxiliares a la Navegación Aérea Calle Félix Reyes Ortiz No. 74 Edif. FEDE Petrol, Piso 6 La Paz, Bolivia	AFTN: SLLPYGYI Tel: +5912 2124129 / 2114232 Fax: +5912 822606 E-mail: waraliaga@yahoo.es ovmfirbolivia@yahoo.es
	Roberto Catacora División Meteorología La Paz AASANA		AFTN: SLLPYRYE Tel: +5912 2316686 Fax: +5912 2316686 E-mail: rcatacora@asana.bo
BRAZIL	Carlos Roberto Henriques Asesor de la Sección de Coordinación y Control OPMET del Departamento de Control del Espacio Aéreo - DECEA	Av. General Justo, 160 CEP 20021-130 Río de Janeiro, RJ – Brasil	Tel: +5521 2101 6288 Fax: +5521 2101 6284 E-mail: cco3@decea.gov.br
	Nelson Luiz Motta Silva Gerente del Banco de Datos OPMET de Brasilia	Página web del banco de datos OPMET: www.redemet.aer.mil.br	AFTN: SBBRYZYX Tel: +5521 2101 6283 Fax: +5521 2101 6284 E-mail: cco3.3@decea.gov.br
CAYMAN ISLANDS (United Kingdom)			Tel: Fax: Cel/Mobile: E-mail:

<b>Nominated by/ Nominado por</b>	<b>Name/Nombre</b>	<b>Postal address/ Dirección Postal</b>	<b>Contact information/ Información de contacto</b>
CHILE	Alejandro Rodrigo Arriagada Ríos Administrador del Banco OPMET	Av. Portales No. 3450 comuna Estación Central Casilla de Correo 140 Estación Central/Matucana Santiago, Chile Zip code: 9170018	AFTN: SCZZMAMX Tel: +562 436 4543 Fax: +562 437 8212 Cel/Mobile: +569 9 342 0336 E-mail: aarriagada@meteochile.cl bcoopmet@meteochile.cl
COLOMBIA	Oscar Bermúdez Jefe del Grupo de Meteorología UAEAC	Aeropuerto Internacional Eldorado, Bogotá, Colombia  Centro Nacional de Análisis y Pronósticos	AFTN: SKZZMAMX Tel: +571 2663001 Fax: +571 4139646 Cel/Mobile: +573 315-3351545 / 300-6508840 E-mail: obermud@aerocivil.gov.co Tel: +571 266 2257
COSTA RICA	Werner Stolz España	Instituto Meteorológico Nacional (IMN) Apartado 5583-1000 San José, Costa Rica	Tel: +506 222-5616 Ext. 115 Fax: +506 257-8287 Cel/Mobile: E-mail: wstolz@imn.sc.cr
CUBA	Alberto N. Durán Romero Meteorólogo Principal Oficina Vigilancia y Pronósticos Unidad de Servicios Navegación Aérea UEB Servicios Aeronáuticos	Aeropuerto Internacional José Martí, Terminal No. 1, Ave. Van Trois S/N, Rancho Boyeros Ciudad de La Habana	Tel: +537 242 6168 / 266 4644 ext. 2610 Fax: +537 Cel/Mobile: E-mail: aduran@aeronav.ecasa.avianet.cu
DOMINICA			Tel: Fax: Cel/Mobile: E-mail:
DOMINICAN REPUBLIC	Yhony Gomez Castillo Encargado, División de Meteorología Aeronáutica	Oficina Nacional de Meteorología av. Juan Moline #1, Villa Duarte, Santo Domingo Este, República Dominicana	Tel: +809 597-9842 Fax: Cel/Mobile: +809 315-2245 E-mail: yogomez2005@yahoo.com
ECUADOR	Bolívar Pérez Mármol Jefe de Meteorología del Aeropuerto "Mariscal Sucre" - Quito	Meteorología Aeropuerto "Mariscal Sucre", Avenida Amazonas sin número	Tel: +593 2 330 1515 Fax: +593 2 3301515 Cel/Mobile: +593 99 0997003346 +593 084585973 E-mail: meteorologia_ams@yahoo.com
EL SALVADOR			Tel: Fax: Cel/Mobile: E-mail:
FRENCH ANTILLES (France)	Stéphane Jamoneau	METEO FRANCE – DIRAG BP 645 97262 Fort-de-France Cedex FRANCE	Tel: +596 596639947 Fax: +596 596639955 Cel/Mobile: +596 696222164 E-mail: stephane.jamoneau@meteo.fr
FRENCH GUIANA (France)	Philippe Livenais Head of Meteorological Service Cayenne-Rochambeau Airport METEO-FRANCE	Aéroport de Rochambeau, 97351 Matoury, French Guiana France	AFTN: SOCAZMYX Tel: +0594 594 353530 Fax: +0594 594 353544 Cel/Mobile: +0594 694 214399 E-mail: philippe.livenais@meteo.fr
GRENADA			Tel: Fax: Cel/Mobile: E-mail:
GUATEMALA	Francisco Leonel García Moreira Gerente de Operaciones DGAC	Aeropuerto Internacional La Aurora, Zona 13 PBX 2331-2684 – 2332-5377	Tel: +502 23326084 Fax: +502 23326084 Cel/Mobile: +502 54031009 E-mail: atc@dgac.com.gt frangarcia62@yahoo.com

<b>Nominated by/ Nominado por</b>	<b>Name/Nombre</b>	<b>Postal address/ Dirección Postal</b>	<b>Contact information/ Información de contacto</b>
GUYANA	Mr. Kelvin Samaroo Meteorologist	National Weather Watch Centre Hydrometeorological Service Ministry of Agriculture Hyde Park Timehri E.B.D.	AFTN: SYCJYMYX Tel: +592 261 4489 Fax: +592 261 2284 / 261 3065 Cel/Mobile: E-mail: b.d.seulall@hydromet.gov.gy garvincummings@yahoo.com k.samaroo@hydromet.gov.gy zionamitchell@hotmail.com adonamp_18@yahoo.com
HONDURAS	Pedro Efrén Reyes	SMN/DGAC Aeropuerto Toncontín Tegucigalpa, Honduras	Tel: +504 233-1114 Fax: +504 233-8075 Cel/Mobile: +504 336 43192 E-mail: efrenmeteoro@yahoo.com
JAMAICA	Patrick Stern Director Air Navigation Service	Jamaica Civil Aviation Authority 4 Winchester Road, Kingston Jamaica	Tel: +876 960 3965 Fax: +876 920 0194 Cel/Mobile: +876 995 4626 E-mail: dans@jcaa.gov.jm
MEXICO	Ing. José Javier Roch Soto Director de Aviación DGAC	Providencia 807 – 3º piso Col. Del Valle C. P. 03100 México, D. F.	Tel: +56 87 79 41 Fax: +55 23 62 75 Cel/Mobile: E-mail: jjrochso@sct.gob.mx
MONTserrat (United Kingdom)			Tel: Fax: Cel/Mobile: E-mail:
NETHERLANDS ANTILLES (Netherlands)			Tel: Fax: Cel/Mobile: E-mail:
NICARAGUA			Tel: Fax: Cel/Mobile: E-mail:
PANAMA	Celestino Lamboglia Jefe Sección Análisis y Pronósticos MET	Autoridad Aeronáutica Civil P.O. Box 5448 Balboa Ancón Panamá, Rep. de Panamá	AFTN: MPTOYMYX Tel: +507 238 2612 Fax: +507 238 4678 Cel/Mobile: +507 6045 4119 E-mail: meteortoc@aeronautica.gob.pa
PARAGUAY	Lic. Jorge A. Sánchez Gerente de Pronósticos Meteorológicos	Dirección de Meteorología e Hidrología – DINAC Mcal. López y 22 de Setiembre Edificio MDN – 6to. Piso Asunción, Paraguay	AFTN: SGZZMAMX Tel: +595-21 646095 Fax: +595-21 646095 Cel/Mobile: E-mail: roberto.salinas@meteorologia.gov.py salinasrcs@gmail.com
	Lic. Jorge Concepción Armoa Cañete Jefe del Departamento de Meteorología Aeronáutica	Dirección de Meteorología e Hidrología – DINAC Mcal. López y 22 de Setiembre Edificio MDN – 6to. Piso Asunción, Paraguay	Tel: +595-21 646095 Fax: +595-21 646095 E-mail: jorge.armoa@meteorologia.gov.py aeronautica_dmh@dinac.gov.py
PERU	Ing. Julio Quezada Pacheco Jefe Equipo de Pronósticos y Climatología	CORPAC S.A. Aeropuerto Internacional Jorge Chávez - Apartado 680 Callao 1, Lima, Perú	AFTN: SPIMYMYM Tel: +511 630 1179 Fax: +511 630 1180 Cel/Mobile: E-mail: jquezada@corpac.gob.pe pronostico@corpac.gob.pe
PUERTO RICO (United States)			Tel: Fax: Cel/Mobile: E-mail:

<b>Nominated by/ Nominado por</b>	<b>Name/Nombre</b>	<b>Postal address/ Dirección Postal</b>	<b>Contact information/ Información de contacto</b>
SAINT KITTS AND NEVIS			Tel: Fax: Cel/Mobile: E-mail:
SAINT LUCIA			Tel: Fax: Cel/Mobile: E-mail:
SAINT VINCENT AND THE GRENADINES			Tel: Fax: Cel/Mobile: E-mail:
SURINAME	Roy Ramdat	Meteorologische Dienst Johan Adolf Lucht-haven Zandery	Tel: +597 325 206 / 325 154 Fax: +597 325 206 / 325 279 Cel/Mobile: E-mail: meteozan@yahoo.com
TRINIDAD AND TOBAGO	Bryan Thomas	P. O. Box 2141 National Mail Cnetre Piarco	Tel: +868 669-4392 Fax: +868 669-4727 Cel/Mobile: E-mail: synop@tstt.net.tt
TURKS AND CAICOS ISLANDS (United Kingdom)			Tel: Fax: Cel/Mobile: E-mail:
URUGUAY	CNS Oscar Faría Lasso Director de División Telecomunicaciones Aeronáuticas (COM/OPS)	DINACIA – Canelones, Uruguay	AFTN: SUMUYTYX / SUMUYFYX Tel: +5982 604 0258 Fax: +5982 604 0298 E-mail: divcom@adinet.com.uy
	MET Inés Rodríguez	Dirección Meteorología Aeronáutica Aeropuerto Internacional de Carrasco - Canelones, Uruguay	AFTN: SUMUYMYX / SUZZMAMX Tel: +5982 604 0299 / 604 1134 Fax: +5982 604 9004 E-mail: dmae@adinet.com.uy
VENEZUELA	Néstor Sanabria Segovia	INAC Edificio ATC, Piso P, b Oficina ATISNA Maiquetía – Estado Vargas Frente al Aeropuerto Internacional Simón Bolívar	AFTN: SVZZMAMX Tel: +0058 2123552967 Fax: +0058 2123552967 Cel/Mobile: +0058 4266132979 E-mail: n.sanabria@inac.gob.ve sanabria13@hotmail.com
	Ramón Vicente Velásquez	Aeropuerto Int. Simón Bolívar Terminar Internacional Nivel Sótano, Rampa No. 15 Oficina de Meteorología Maiquetía, Estado Vargas	Tel: +0058 2123031522 Fax: +0058 2123031522 Cel/Mobile: +0058 4142773454 E-mail: velasquezramon750@hotmail.com met_miq@yahoo.com
VIRGIN ISLANDS (United Kingdom)			Tel: Fax: Cel/Mobile: E-mail:
VIRGIN ISLANDS (United States)			Tel: Fax: Cel/Mobile: E-mail:
COCESNA	Alfredo Santos Mondragón	150 metros al Sur del Aeropuerto Internacional Toncontín Tegucigalpa, Honduras	Tel: +504 234 3360 Fax: +504 234 2550 Cel/Mobile: +504 338 55547 E-mail: amondragon@cocesna.org

<b>ESTADO/STATE</b>	<b>SITIO WEB DONDE SE ENCUENTRA LA INFORMACIÓN METEOROLÓGICA AERONÁUTICA / WEB SITE WHERE AERONAUTICAL METEOROLOGICAL INFORMATION CAN BE FOUND</b>
ARGENTINA	<a href="http://www.smn.gov.ar">www.smn.gov.ar</a>
BOLIVIA	<a href="http://www.aasana.bo">www.aasana.bo</a>
BRASIL/BRAZIL	<a href="http://www.redemet.aer.mil.br">www.redemet.aer.mil.br</a>
CHILE	
COLOMBIA	<a href="http://www.aerocivil.gov.co">www.aerocivil.gov.co</a>
ECUADOR	<a href="http://www.dgac.gov.ec">www.dgac.gov.ec</a>
GUYANA/GUIANA	
GUYANA FRANCESA/ FRENCH GUIANA	
PANAMA	
PARAGUAY	<a href="http://www.meteorologia.gov.py">www.meteorologia.gov.py</a>
PERU	<a href="http://www.corpac.gob.pe">www.corpac.gob.pe</a>
SURINAME	
URUGUAY	
VENEZUELA	<a href="http://www.meteorologia.mil.ve">www.meteorologia.mil.ve</a>

CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS											
Mensajes Meteorológicos Recibidos/Meteorological Messages Received						Período/Period: 10 - 16 de junio / June			Año:		
ESTADO/STATE:				AFTN:		FAX:			E-mail:		
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)			SPECI (SP)	
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received	
<b>CAR</b>											
<b>ANGUILLA (U.K.)</b>											
Wallblake, Anguilla	TQPF	1200/2100									
<b>ANTIGUA AND BARBUDA</b>											
V.C. Bird, Antigua	TAPA	24									
<b>ARUBA (Netherlands)</b>											
Oranjestad/Beatrix	TNCA	24									
<b>BAHAMAS</b>											
George Town	MYEG	24									
Governor's Harbour	MYEM	N									
Grand Bahama International	MYGF	24									
Lynden Bahama International	MYNN	24									
Marsch Harbour	MYAM	N									
North Eleuthera	MYEH	N									
Rock sound	MYER	N									
San Salvador International	MYSM	N									
South Bimini	MYBS	N									
Stella Maris	MYLS	N									
Treasure Cay	MYAT	N									
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!		
<b>BARBADOS</b>											
Grantley Adams, Barbados	TBPB	24									
<b>BELIZE</b>											
Philip S. W. Goldson International	MZBZ	24									
<b>BRITISH VIRGIN ISLANDS (UNITED KINGDOM)</b>											
Terrance B. Lettsome, Tortola	TUPJ	1900/0100									
Virgin Gorda, B.V.I	TUPW	N									
<b>CAYMAN IS. (U.K.)</b>											
Gerrard Smith Intl/Cayman Brac	MWCB	2000/1900									
Owen Roberts Intl / Grand Cayman	MWCR	1100/0300									
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!		

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
Mensajes Meteorológicos Recibidos/Meteorological Messages Received				Período/Period: 10 - 16 de junio / June			Año:			
ESTADO/STATE:			AFTN:		FAX:		E-mail:			
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)			SPECI (SP)
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
<b>COSTA RICA</b>										
Alajuela/Juan Santamaría int	MROC	24								
Liberia/Daniel Oduber Quiros	MRLB	1200/0200								
Limón/Intl.	MRLM	1200/0000								
Pavas/Tobias Bolaños Intl.	MRPV	1200/0000								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>CUBA</b>										
Camaguey/Ignacio Agramonte Intl.	MUCM	24								
Cayo Coco Intl./Jardines del Rey	MUCC	24								
Cayo Largo del Sur/Vilo Acuña Intl	MUCL	1200/2300								
Ciego de Avila/Máximo Gomez	MUCA									
Habana/Jose Marti Intl.	MUHA	24								
Holguin/Frank Pais Intl. - CIV/MIL	MUHG	24								
Santiago de Cuba/Antonio Maceo Intl	MUCU	24								
Varadero/Juan G. Gomez Intl	MUVR	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>DOMINICA</b>										
Melville Hall, Dominica	TDPD	1000/2100								
Roseau, Dominica	TDPR	N								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>DOMINICAN REPUBLIC</b>										
Barahona/Intl María Móntez	MDBH	1200/0000								
La Romana/Intl Casa de Campo	MDLR	1200/0000								
Puerto Plata/Intl Gregorio Luperon.	MDPP	24								
Punta Cana Intl	MDPC	24								
Santiago/Intl Cibao	MDST	24								
Santo Domingo/Intl José Francisco Peña Gomez	MDSO	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
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Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
<b>EL SALVADOR</b>										
Aeropuerto Internacional de Ilopango	MSSS	1200/0400								
Aeropuerto Internacional El Salvador	MSLP	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>FRENCH ANTILLES (France)</b>										
Aime Cesaire, Martinique	TFFF	24								
Pointe-a-Pitre, Le Raizet, Guadeloupe*	TFFR	24								
Saint Barthelemy, French Antilles	TFFJ	N								
Saint Martin, Grand Case, Guadeloupe	TFFG	N								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
*TAF issued on request by the Pointe-a-Pitre MET Office/TAF emitido por la Oficina MET de Pointe-a-Pitre a solicitud										
<b>GRENADA</b>										
Lauriston, Carriacou, Grenada, Grenadines	TGPZ	N								
Maurice Bishop, Grenada	TGPY	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>GUATEMALA</b>										
La Aurora	MGGT	24								
Mundo Maya	MGTK	24								
Puerto Barrios	MGPB	24								
Puerto de San José	MGSJ	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>HAITI</b>										
Cap Haitien	MTCH	N								
Port-au-Prince/Intl	MTPP	1500/2200								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>HONDURAS</b>										
La Ceiba/Goloson Intl	MHLC	24								
Roatan Intl.	MHRO	1200/2400								
San Pedro Sula/La Mesa	MHLM	24								
Tegucigalpa/Toncontin	MHTG	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
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Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
<b>JAMAICA</b>										
Kingston/Norman Manley	MKJP	24								
Montego Bay/Sangster	MKJS	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>MEXICO</b>										
Acapulco	MMAA	24								
Aeropuerto del Norte	MMAN	1200/2400								
<i>Aguascalientes</i>	MMAS	1100/0500								
Bahías de Huatulco	MMBT	1300/0100								
Campeche	MMCP	1300/0100								
Cancun	MMUN	24								
CD. Juarez	MMCS	1400/0400								
<i>CD. Victoria</i>	MMCV	1300/0100								
Chetumal	MMCM	1300/0100								
Chihuahua	MMCU	1400/0400								
Ciudad Acuña	MMCC	N								
<i>Ciudad Del Carmen</i>	MMCE	1300/0100								
<i>Ciudad Obregón</i>	MMCN	1300/0300								
<i>Colima</i>	MMIA	1200/0000								
Cozumel	MMCZ	24								
<i>Cuernavaca</i>	MMCB	1200/0000								
Culiacan	MMCL	1300/0500								
Durango	MMDO	1200/0200								
Guadalajara	MMGL	24								
Guaymas	MMGM	1400/0200								
Hermosillo	MMHO	1300/0300								
Ixtapa-Zihuatanejo	MMZH	1300/0300								
La Paz	MMLP	1400/0600								
Leon	MMLO	1300/0600								
Loreto	MMLT	1400/0200								
<i>Los Mochis</i>	MMLM	1400/0400								

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**CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM /  
COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS**

Mensajes Meteorológicos Recibidos/Meteorological Messages Received				Período/Period: 10 - 16 de junio / June			Año:				
ESTADO/STATE:				AFTN:		FAX:		E-mail:			
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)			SPECI (SP)	
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received	
Manzanillo	MMZO	1400/0200									
Matamoros	MMMA	1400/0200									
Mazatlan	MMMZ	24									
Merida	MMMD	24									
Mexicali	MMML	1400/0400									
Mexico	MMMX	24									
<i>Minatitlan</i>	<i>MMMT</i>	1200/0000									
Monterrey	MMMY	24									
Morelia	MMMM	1300/0100									
Nogales	MMNG	N									
Nuevo Laredo	MMNL	1200/0200									
<i>Oaxaca</i>	<i>MMOX</i>	1200/0200									
Piedras Negras	MMPG	1300/0300									
<i>Poza Rica</i>	<i>MMPA</i>	1200/0000									
<i>Puebla</i>	<i>MMPB</i>	1300/0100									
<i>Puerto Escondido</i>	<i>MMPS</i>	1300/0100									
Puerto Vallarta	MMPR	24									
<i>Queretaro</i>	<i>MMQT</i>	1100/0300									
Reynosa	MMRX	1300/0100									
<i>Saltillo</i>	<i>MMIO</i>										
San Felipe	MMSF	N									
San Jose del Cabo	MMSD	1200/0400									
<i>San Luis Potosi</i>	<i>MMSP</i>	24									
Tampico	MMTM	1200/0500									
Tapachula	MMTP	1300/2400									
<i>Tepic</i>	<i>MMEP</i>	1200/0000									
Tijuana	MMTJ	24									
Toluca	MMTO	24									
Torreón	MMTC	1200/0300									
<i>Tuxtla Gutiérrez (CIV)</i>	<i>MMTG</i>	1200/0400									
<i>Uruapán</i>	<i>MMPN</i>	1200/0000									

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
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Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
Veracruz	MMVR	24								
Villahermosa	MMVA	1300/0300								
Zacatecas	MMZC	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>MONTERRAT (United Kingdom)</b>										
John A. Osborne International Airport	TRPG	1000/2200								
<b>NETHERLAND ANTILLES (Netherlands)</b>										
Bonaire/Flamingo	TNCB	1100/0100								
Curacao/Aeropuerto Hato	TNCC	24								
St. Eustatius/F. D Roosevelt	TNCE	1100/2400								
St. Maarten/Princess Juliana	TNCM	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>NICARAGUA</b>										
Managua/Managua	MNMG	24								
Puerto Cabezas/Raan	MNPC	1200/0000								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>PUERTO RICO (US)</b>										
Aguadilla/Raphael Hernández Pr.	TJBQ	24								
Fajardo/Diego Jimenez Torrez Pr.	TJFA	N								
Mayaguez/Eugenio María de Hostos, Pr.	TJMZ	24								
Ponce/Mercedita, Pr.	TJPS	24								
San Juan/Luis Muñoz Marin Intl., Pr	TJSJ	24								
Vieques, Isla de Viques, Pr.	TJVQ	N								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>SAINT KITTS AND NEVIS</b>										
Robert L. Bradshaw, St. Christofer (St. Kitts) and Nevis	TKPK	1000/0100								
Nevis	TKPN	1100/2300								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
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Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
<b>SAINT LUCIA</b>										
George F. Charles, Saint Lucia	TLPC	1000/2400								
Hewanorra Saint Lucia	TLPL	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>SAINT VINCENT AND THE GRENADINES</b>										
Canouan, St.Vincent and the Grenadines	TVSC	N								
E. T. Joshua, St.Vincent and the Grenadines	TVSV	1200/0000								
J.F. Mitchell, Bequia St. Vincent and the Grenadines	TVSB	N								
Mustique, St. Vincent and the Grenadines	TVSM	N								
Union Island, St. Vincent and the Grenadines	TVSU	N								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>TRINIDAD AND TOBAGO</b>										
Crown Point, Tobago	TTCP	24								
Piarco, Trinidad	TTTP	24								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>TURKS AND CAICOS ISLANDS (United Kingdom)</b>										
Jags Mccartney International Airport Grand Turk	MBGT	1000/0100								
Providenciales International	MBPV	1100/0100								
South Caicos International	MBSC	1000/2200								
<b>PROMEDIO/AVERAGE</b>						#DIV/0!			#DIV/0!	
<b>United Kingdom</b>										
Mount Pleasant	EGYP	24								
<b>VIRGIN ISLANDS (United States)</b>										
Charlotte Amalie St. Thomas/Cyril E. King, VI	TIST	24								
Henry E. Rohlsen	TISX	24				0				0
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	0
<b>SAM</b>										
<b>ARGENTINA</b>										
Aeroparque J. Newbery, CABA	SABE	24	F	168		0	28		0	
Comodoro Rivadavia /Gral. Mosconi, CHT	SAVC	24	F	168		0	28		0	
Córdoba/Ing. A. L.V. Taravela CBA	SACO	24	F	168		0	28		0	

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Corrientes, CTS	SARC	24	SA/SP	168		0	0			
Ezeiza Ministro Pistarini, BA	SAEZ	24	F	168		0	28		0	
Formosa, F	SARF	24	F	168		0	28		0	
Iguazú/Cataratas del Iguazú, MS	SARI	24	F	168		0	28		0	
Jujuy, J.	SASJ	24	F	168		0	28		0	
Mar de Plata, BA	SAZM	24	F	168		0	28		0	
Mendoza, Plumerillo, MZA	SAME	24	F	168		0	28		0	
Neuquén, N	SAZN	24	F	168		0	28		0	
Paso de los Libres, CTS	SARL	0900/0000	SA/SP	112		0	0			
Posadas, MS	SARP	24	F	168		0	28		0	
Resistencia, CHO	SARE	24	F	168		0	28		0	
Río Cuarto/Area de Material, CBA	SAOC	24	SA/SP	168		0	0			
Río Gallegos. Gral. D.A. Parodi (SC)	SAWG	24	F	168		0	28		0	
Río Grande (TAIS)	SAWE	24	F	168		0	28		0	
Rosario, SF	SAAR	24	F	168		0	28		0	
Salta, S.	SASA	24	F	168		0	28		0	
San Carlos de Bariloche, RN	SAZS	24	F	168		0	28		0	
San Fernando, BA	SADF	24	F	168		0	28		0	
Tucumán/Ten. Benjamín Matienzo, T	SANT	24	F	168		0	28		0	
Ushuaia/Malvinas Argentinas (TAIS)	SAWH	24	F	168		0	28		0	
<b>PROMEDIO/AVERAGE</b>						0			0	
<b>BOLIVIA</b>										
Cobija	SLCO	1000/2300				0			0	
Cochabamba	SLCB	24				0			0	
El Trompillo	SLET	1000/2300				0			0	
La Paz	SLLP	24				0			0	
Puerto Suarez	SLPS	1000/2300				0			0	
San Ignacio de Velasco	SLSI	1000/2300				0			0	
Santa Ana del Yacuma	SLSA	1000/2300				0			0	
Sucre	SLSU	1000/2300				0			0	
Tarija	SLTJ	1000/2300				0			0	

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Trinidad	SLTR	0900/2300				0			0	
Villamontes	SLVM	1000/2300				0			0	
Viru Viru	SLVR	24				0			0	
Yacuiba	SLYA	1000/2300				0			0	
<b>PROMEDIO/AVERAGE</b>						0			0	
<b>BRAZIL</b>										
Aracajú / Santa Maria, SE	SBAR	24 h	F			0			0	
Bagé INTL /Cmte Gustavo Kraemer, RS	SBBG	Lun a Vie 1615/2200	F			0			0	
Belém / Val de Cans, PA	SBBE	24 h	F			0			0	
Belo Horizonte / Tancredo Neves, MG	SBCF	24 h	F			0			0	
Boa Vista / Atlas Brasil Cantanhede, RR	SBBV	24 h	F			0			0	
Brasilia / Pres. Juscelino Kubitschek, DF	SBBR	24 h	F			0			0	
Cabo Frio / Cabo Frio, RJ	SBCB	1000/2100	F			0			0	
Campinas / Viracopos, SP	SBKP	24 h	F			0			0	
Campo Grande / Campo Grande, MS	SBCG	24 h	F			0			0	
Campos dos Goitacazes / Bartolomeu Lisandro, RJ	SBCP	0915/0200	F			0			0	
Carajás / Carajás, PA	SBCJ	1015/2130	F			0			0	
Corumbá / Corumbá, MS	SBCR	0900/2400	F			0			0	
Cruzeiro do Sul / Cruzeiro do Sul, AC	SBCZ	1115/2300	F			0			0	
Cuiabá / Marechal Rondon, MT	SBCY	24 h	F			0			0	
Curitiba / Afonso Pena, PR	SBCT	24 h	F			0			0	
Fernando de Noronha / Fernando de Noronha, PE	SBFN	0800/2200	F			0			0	
Florianópolis / Hercílio Luz, SC	SBFL	24 h	F			0			0	
Fortaleza / Pinto Martins, CE	SBFZ	24 h	F			0			0	
Foz do Iguaçu / Cataratas, PR	SBFI	24 h	F			0			0	
Goiânia / Santa Genoveva, GO	SBGO	24 h	F			0			0	
João Pessoa / Pres. Castro Pinto, PB	SBJP	24 h	F			0			0	
Londrina / Governador José Richa, PR	SBLO	24 h	F			0			0	
Macapá / Alberto Alcolumbre, AP	SBMQ	24 h	F			0			0	
Maceió / Zumbi dos Palmares, AL	SBMO	24 h	F			0			0	
Manaus / Eduardo Gomes, AM	SBEG	24 h	F			0			0	

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
Mensajes Meteorológicos Recibidos/Meteorological Messages Received				Período/Period: 10 - 16 de junio / June			Año:			
ESTADO/STATE:				AFTN:		FAX:		E-mail:		
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)			SPECI (SP)
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
Manaus / Ponta Pelada, AM	SBMN	24 h	F			0			0	
Marabá / Marabá, PA	SBMA	24 h	F			0			0	
Natal / Augusto Severo, RN	SBNT	24 h	F			0			0	
Navegantes / Ministro Victor Konder – INTL, SC	SBNF	0915/0300 UTC	F			0			0	
Oiapoque / Oiapoque, AP	SBOI	Mar a Sab 1200/2000 Dom, Lun 1230/2000	F			0			0	
Parnaíba / Prefeito Doutor João Silva Filho, PI	SBPB	0915/0300	F			0			0	
Pelotas / Pelotas, RS	SBPK	Lun a Vie 0000/0200, 0915/2400, Sab 0000/0200, 0915/1115,	F			0			0	
Petrolina / Senador Nilo Coelho, PE	SBPL	0915/0300	F			0			0	
Ponta Porã / Ponta Porã, MS	SBPP	1115/2200	F			0			0	
Porto Alegre / Salgado Filho, RS	SBPA	24 h	F			0			0	
Porto Seguro / Porto Seguro, BA	SBPS	24 h	F			0			0	
Porto Velho INTL /Gov. Jorge Teixeira de Oliveira, RO	SBPV	24 h	F			0			0	
Recife / Guararapes – Gilberto Freyre, PE	SBRF	24 h	F			0			0	
Ribeirão Preto / Leite Lopes, SP	SBRP	24 h	F			0			0	
Rio Branco / Plácido de Castro, AC	SBRB	24 h	F			0			0	
Rio de Janeiro / Galeão – Antônio Carlos Jobim, RJ	SBGL	24 h	F			0			0	
Rio de Janeiro / Santos Dumont, RJ	SBRJ	24 h	F			0			0	
Salvador / Deputado Luis Eduardo Magalhães, PA	SBSV	24 h	F			0			0	
Santarém / Maestro Wilson Fonseca, PA	SBSN	24 h.	F			0			0	
São Jose dos Campos / Professor Urbano Ernesto	SBSJ	24 h	F			0			0	
São Luis / Marechal Cunha Machado, MA	SBSL	24 h.	F			0			0	
São Paulo / Congonhas, SP	SBSP	24 h	F			0			0	
São Paulo / Guarulhos, Governador André Franco	SBGR	24 h.	F			0			0	
Tabatinga / Tabatinga – INTL, AM	SBTT	1100/2300	F			0			0	
Tefé / Tefé, AM	SBTF	Lun a Sab 1100/0000 Dom 1100/2200	F			0			0	
Teresina / Senador Petrônio Portella, PI	SBTE	24 h	F			0			0	

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
Mensajes Meteorológicos Recibidos/Meteorological Messages Received				Período/Period: 10 - 16 de junio / June			Año:			
ESTADO/STATE:				AFTN:		FAX:		E-mail:		
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)			SPECI (SP)
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
Uruguaiana / Rubem Berta, RS	SBUG	0900/2200	F			0			0	
Vitória / Eurico de Aguiar Salles, ES	SBVT	24 h	F			0			0	
<b>PROMEDIO/AVERAGE</b>						0			0	
<b>CHILE</b>										
Antofagasta/AD Cerro Moreno	SCFA	24				0			0	
Arica/AP Chacalluta	SCAR	24				0			0	
Balmaceda/AD Balmaceda	SCBA	24				0			0	
Calama/AD El Loa	SCCF	Lun a Sab 10 a 02 UTC Dom 12 a 23				0			0	
Concepción/AD Altn Carriel Sur	SCIE	24				0			0	
Copiado/AD Desierto de Atacama	SCAT	24				0				
Iquique/AD Diego Aracena	SCDA	24				0			0	
La Serena/AD La Florida	SCSE	24				0			0	
Osorno/AD Canal Bajo-Carlos Hott Sierbert	SCJO	Lun a Dom 13 a 23				0			0	
Puerto Montt/AD El Tepual	SCTE	24				0			0	
Puerto Natales/AD Teniente Julio Gallardo	SCNT	Lun/Vier 13 a 21 UTC Dom NIL								
Punta Arenas/AD Pdte. Carlos Ibañez Del Campo	SCCI	24				0			0	
Santiago/AP Arturo Merino B.	SCEL	24								
Temuco/AD Maquehue	SCTC	24				0			0	
<b>PROMEDIO/AVERAGE</b>						0			0	
<b>COLOMBIA</b>										
Barranquilla Intl/Atlántico	SKBQ	24				0				
Bogota Intl/Cundinamarca	SKBO	24				0				
Bucaramanga Intl/Santander	SKBG	1100/0500				0				
Cali Intl/Valle	SKCL	24				0				
Cartagena Intl/Bolivar	SKCG	24				0				
Cucuta Intl/Norte de S.	SKCC	1100/2300				0				
Leticia Intl/Amazonas	SKLT	1100/2300				0				
Medellín/Antioquia	SKMD	1030/2330				0				
Pereira/Risaralda	SKPE	1100/0430				0				
Rionegro Intl/Antioquia	SKRG	24				0				

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
Mensajes Meteorológicos Recibidos/Meteorological Messages Received					Período/Period: 10 - 16 de junio / June			Año:		
ESTADO/STATE:				AFTN:		FAX:		E-mail:		
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)		SPECI (SP)	
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
San Andrés Intl/San Andrés	SKSP	1100/0500				0				
<i>Santa Marta/Magdalena</i>	SKSM	1100/0400				0				
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	
<b>ECUADOR</b>										
Guayaquil	SEGU	24				0				
Latacunga	SELT	1100/0500				0				
Manta	SEMT	24				0				
Quito	SEQU	24				0				
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	
<b>FRENCH GUIANA (France)</b>										
Cayenne-Rochambeau	SOCA									
<b>GUYANA</b>										
Cheddi Jagan Intl Airport	SYCJ	24	F	168	168	100	28	28	100	2
<b>PANAMA</b>										
Bocas del Toro/Bocas del Toro	MPBO	1100/2300	SA/SP	84		0	0			
Changuinola/Cap. Manuel Niño	MPCH	1100/2300	SA/SP	84		0	0			
David/Enrique Malek	MPDA	1100/0300	F	112		0	14			
Panamá/Marco A. Gelabert	MPMG	1100/0300	F	112		0	14			
Panamá/Tocumen	MPTO	24		168		0	28			
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	
<b>PARAGUAY</b>										
Asuncion/S. Pettirossi	SGAS	24				0				
Ciudad del Este/Guarani	SGES	24				0				
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	
<b>PERU</b>										
<i>Andahuaylas</i>	SPHY	1000/1900		70		0	14		0	
Arequipa/Intl. Rodríguez Ballón	SPQU	24		168		0	28		0	
<i>Ayacucho /Coronel FAP Alfredo Mendivil Duarte</i>	SPHO	1000/2300		98		0	21		0	
<i>Cajamarca/Mayor Gral. FAP Revoredo Iglesias</i>	SPJR	1900/2300		105		0	14		0	
Chiclayo/Intl. Cap. José Abelardo Quiñones González	SPHI	24		168		0	28		0	
Cuzco/Intl. Velazco Astete	SPZO	24		168		0	28		0	

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
Mensajes Meteorológicos Recibidos/Meteorological Messages Received					Período/Period: 10 - 16 de junio / June			Año:		
ESTADO/STATE:				AFTN:		FAX:		E-mail:		
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)			SPECI (SP)
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
Ilo	SPLO	1300/2100	Sunday Closed Stn	54		0	6		0	
Iquitos/Coronel FAP Francisco Secada Vigneta	SPQT	24		168		0	28		0	
Juanjui	SPJI	1300/2100	Sunday Closed Stn	54		0	12		0	
Juliaca/Intl. Inca Manco Capac	SPJL	1100/2400		98		0	21		0	
Lima-Callao/Intl Jorge Chávez	SPIM	24		168		0	28		0	
Pisco	SPSO	24		168		0	28		0	
Pucallpa/Intl. David Abensur Rengifo	SPCL	24		168		0	28		0	
Puerto Maldonado /Padre Aldamiz	SPTU	1100/2300		91		0	21		0	
Tacna/Intl. Cnel. FAP Carlos Ciriani Santa Rosa	SPTN	24		168		0	28		0	
Talara/Capitán Montes	SPYL	1300/2100		63		0	14		0	
Tarapoto/Cdte. Guillermo Del Castillo Paredes	SPST	1100/0300		119		0	21		0	
Tingo María	SPGM	1300/2100	Sunday Closed Stn	54		0	12		0	
Trujillo/Intl. Cap. Carlos Martínez de Pinillos	SPRU	24		168		0	28		0	
Tumbes/Pedro Canga	SPME	1200/0500		126		0	21		0	
Yurimaguas/Moisés Benzaquén Rengifo	SPMS	1200/2300		84		0	14		0	
<b>PROMEDIO/AVERAGE</b>						0			0	
<b>SURINAME</b>										
Johan Adolf Pengel	SMJP					0				
Nickerie/Maj. Fernandez	SMNI					0				
Zorg En Hoop	SMZO					0				
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	
<b>URUGUAY</b>										
Colonia/Intl "Laguna De Los Patos"	SUCA	1000/2200				0				
Durazno/Santa Bernardina Intl. De alternativa	SUDU	24				0				
Maldonado/Intl. C/C Carlos A. Curbelo "Laguna del Sauce"	SULS	24				0				
Montevideo/AD Angel S. Adami	SUAA	1000/2200				0				
Montevideo/Intl. Carrasco "Gral. Cesareo L. Berisso"	SUMU	24				0				
Oscar D. Gestido	SURV	1100/1900				0				
Salto/Intl. Nueva Hesperides	SUSO	1000/2200				0				
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	

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CONTROLES COORDINADOS COM/MET DE INTERCAMBIO OPMET PARA LAS REGIONES CAR/SAM / COM/MET OPMET EXCHANGE COORDINATED CONTROLS FOR THE CAR/SAM REGIONS										
Mensajes Meteorológicos Recibidos/Meteorological Messages Received					Período/Period: 10 - 16 de junio / June			Año:		
ESTADO/STATE:				AFTN:		FAX:		E-mail:		
CONTACTO OPMET/OPMET CONTACT:				METAR (SA)			TAF (FT)			SPECI (SP)
Aeródromo/Aerodrome	Ind. de Lugar/Loc. Ind.	Horas de Operación/Hours of Operation	Requerimiento OPMET/OPMET Requirement <sup>1</sup>	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Previsto/Foreseen <sup>2</sup>	Recibido/Received	Eficiencia/Efficiency %	Recibido/Received
<b>VENEZUELA</b>										
Barcelona, Anzoategui	SVBC	24				0				
Barquisimeto, Lara	SVBM	0900/0400				0				
Maiquetía, Internacional Simón Bolívar, Maiquetía, Vargas	SVMI	24				0				
Maracaibo, Zulia	SVMC	24				0				
Margarita, Nueva Esparta	SVMG	24				0				
Paraguana, Josefa Camejo, Falcon	SVJC	1000/2200				0				
San Antonio del Táchira, Tachira	SVSA	1000/2200				0				
Santo Domingo, B. A. Mayor Buenaventura Vivas,	SVSO	0900/0200				0				
Valencia, Carabobo	SVVA	1000/2200				0				
<b>PROMEDIO/AVERAGE</b>						0			#DIV/0!	

May-10

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<sup>2</sup> Sólo mensajes con tiempo de tránsito de 10 min. o menos (An. 3, Apn 10, par. 1.1) / Only messages with 10 min. or less of traffic time (An. 3, App 10, par. 1.1)

## APPENDIX D

## AMENDMET TO ANP BASIC, PART VI – MET

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8. Aerodrome forecasts should be issued as TAF normally at intervals of 6 hours, with the period of validity beginning at one of the main synoptic hours (00, 06, 12, 18 UTC). The period of validity should be of 24 and 30 hours duration, to meet the requirements indicated in FASID Table MET 1A. The filing time of the forecasts should be approximately two hours before the start of the period of validity.  
[GREPECAS Conclusion 12/65]

...

## CAR/SAM FASID TABLE MET 1A

1	2	3	4	5	6	7	8
.....							
<b>Brazil</b>							
RIO DE JANEIRO/GALEAO-ANTONIO CARLOS JOBIM, RJ	SBGL	RS	RIO DE JANEIRO/GALEAO-ANTONIO CARLOS JOBIM, RJ	SBGL		<del>FX</del>	F
SAO PAULO/GUARULHOS, GOVERNADOR ANDRE FRANCO MONTORO, SP	SBGR	RS	SAO PAULO/GUARULHOS, GOVERNADOR ANDRE FRANCO MONTORO, SP	SBGR		<del>FX</del>	F
<b>Ecuador</b>							
LATACUNGA	SELT	RN&AS	<del>GUADUAL QUITO</del>	<del>SECDQU</del>		T	P
<b>Panama</b>							
PANAMA/MARCOS A GELABERT	MPMG	RN&AS	PANAMA/TOCUMEN	MPTO	<u>Y</u>	T	P
PANAMA/TOCUMEN	MPTO	RS	PANAMA/TOCUMEN	MPTO	<u>Y</u>	T	F
<b>Peru</b>							
AREQUIPA/RODRIGUEZ BALLON	SPQU	AS	<del>LIMA-CALLAO JORGE CHAVEZ AREQUIPA/RODRIGUEZ BALLON</del>	<del>SPIMQU</del>	Y	T	F
CUSCO/VELAZCO ASTETE	SPZO	RS	<del>LIMA-CALLAO JORGE CHAVEZ CUSCO/VELAZCO ASTETE</del>	<del>SPIMZO</del>	Y	T	F
IQUITOS/CORONEL FAP	SPQT	RS	<del>LIMA-CALLAO JORGE CHAVEZ IQUITOS/CORONEL FAP</del>	<del>SPIMQT</del>	Y	T	F
.....							

## CAR/SAM FASID TABLE MET 2A

1	2	3	4	5	6
.....					
<b>Brazil</b> RIO DE JANEIRO/GALEAO-ANTONIO CARLOS JOBIM, RJ SAO PAULO/GUARULHOS, GOVERNADOR ANDRE FRANCO MONTORO, SP		SBGL SBGR	Y Y	<del>FX</del> <del>FX</del>	F F
<b>Bolivia</b>	<i>COBIJA</i>	SLCO	Y		
<b>Peru</b> 	<i>YURIMAGUA/MOISÉS BENZANQUEN RENGIFO</i>	SPMS	Y	<u>I</u>	P
.....					

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## APPENDIX E

<b>REGIONAL PERFORMANCE OBJECTIVE: CAR/SAM</b>				
<b>MET 1</b>				
<b>Implement International Airways Volcano Watch (IAVW), International Tropical Cyclone Watch (ITCW) and SIGMETs</b>				
<b>Benefits</b>				
<b>Safety</b>	<ul style="list-style-type: none"> <li>Improve in-flight safety by providing information on volcanic ash, tropical cyclone or other hazardous weather</li> </ul>			
<b>Efficiency</b>	<ul style="list-style-type: none"> <li>Improve pre-flight planning by optimizing flight routes with respect to volcanic ash and hazardous weather phenomena</li> </ul>			
<b>Strategy</b>				
<i>Short term/Medium term (2011 - 2015)</i>				
<b>ATM OC COMPONENTS</b>	<b>TASKS</b>	<b>TIME FRAME</b>	<b>RESPONSIBILITY</b>	<b>STATUS</b>
<b>MET</b>	<ul style="list-style-type: none"> <li>Monitor and provide assistance in the regional implementation of volcanic ash and tropical cyclone advisories and SIGMET</li> </ul>	2009 - 2015	RO/MET LIMA & RO/MET MEXICO	In progress
	<ul style="list-style-type: none"> <li>Conduct periodic tests for SIGMET on volcanic ash and tropical cyclones in view of assessing improvements in their implementation</li> </ul>	2009 - 2015	RO/MET LIMA, RO/MET MEXICO & AERMETSG	In progress
	<ul style="list-style-type: none"> <li>Develop and keep up-to-date a regional guidance in Spanish to explain the contents of Doc 9766, <i>Handbook on the International Airways Volcano Watch (IAVW) Operational Procedures and Contact List</i>.</li> </ul>	2010 - 2015	RO/MET LIMA	Future
	<ul style="list-style-type: none"> <li>Conduct controls on the issuance of SIGMET WS, WV and WC in view of assessing improvements in their implementation</li> </ul>	2010 - 2015	Brasilia International OPMET Databank	Future
	<ul style="list-style-type: none"> <li>Update the Regional SIGMET Guide, periodically, to keep it consistent with Annex 3 and with the corresponding FASID MET Tables</li> </ul>	2010 - 2015	RO/MET LIMA	Future
<b>Linkage to GPIs</b>	GPI/19 – Meteorological Systems			
<b>References</b>	<ul style="list-style-type: none"> <li>Annex 3</li> <li>Manual on Volcanic Ash, Radioactive Material and Toxic Chemical Clouds (Doc 9691)</li> <li>Handbook on the International Airways Volcano Watch (IAVW) Operational Procedures and Contact List (Doc 9766)</li> <li>CAR/SAM Regional SIGMET Guide</li> </ul>			

<b>REGIONAL PERFORMANCE OBJECTIVE: CAR/SAM MET 2 Implement WAFS and associated developments</b>				
<b>Benefits</b>				
<b>Safety Efficiency</b>	<ul style="list-style-type: none"> <li>Improve the regional implementation of weather forecasts (upper-level winds, turbulence, icing, cumulonimbus) used by airlines and ATM needed to optimize flight routes which will provide an increase in efficiency and reduced carbon emissions</li> </ul>			
<b>Strategy Short term/Medium term (2011 - 2015)</b>				
<b>ATM OC COMPONENTS</b>	<b>TASKS</b>	<b>TIME FRAME</b>	<b>RESPONSIBILITY</b>	<b>STATUS</b>
<b>MET</b>	<ul style="list-style-type: none"> <li>Assist in the regional implementation of the new turbulence, icing and cumulonimbus forecasts</li> </ul>	2009 - 2013	RO/MET LIMA, RO/MET MEXICO & AERMETSG	In progress
	<ul style="list-style-type: none"> <li>Coordinate the organization of regional training of the new turbulence, icing and cumulonimbus forecasts</li> </ul>	2011	ICAO, WMO & Washington WAFC	In progress
	<ul style="list-style-type: none"> <li>Monitor the migration to ISCS G3 and to WIFS implementation.</li> </ul>	2010 - 2012	WAFS/I TF	In progress
<b>Linkage to GPIs</b>	GPI/19 – Meteorological Systems			
<b>References</b>	<ul style="list-style-type: none"> <li>Annex 3</li> <li><a href="http://www.icao.int/anb/wafsopsg/">http://www.icao.int/anb/wafsopsg/</a></li> <li><a href="http://www.lima.icao.int/">http://www.lima.icao.int/</a></li> </ul>			

<b>REGIONAL PERFORMANCE OBJECTIVE: CAR/SAM MET 3 Develop regional MET requirements to support ATM</b>				
<b>Benefits</b>				
<b>Safety Efficiency</b>	<ul style="list-style-type: none"> <li>Improve efficiency of ATM and airlines by providing tailored regional MET products needed to optimize flight routes in all weather conditions</li> </ul>			
<b>Strategy Short term/Medium term (2011 - 2015)</b>				
<b>ATM OC COMPONENTS</b>	<b>TASKS</b>	<b>TIME FRAME</b>	<b>RESPONSIBILITY</b>	<b>STATUS</b>
<b>MET</b>	<ul style="list-style-type: none"> <li>Carry out annual surveys on ISCS efficacy in order to send them to the focal points and analyze the results to be presented at the next AERMETSG meeting.</li> </ul>	Annually	RO/MET LIMA & RO/MET MEXICO	In progress
	<ul style="list-style-type: none"> <li>Based on the last edition of Doc 9750 - <i>Global Air Navigation Plan for CNS/ATM</i>, develop the MET chapter of the <i>CAR/SAM Regional Plan for the implementation of CNS/ATM systems</i>, Document I.</li> </ul>	2011	MET/ATM/OP TF	Future
	<ul style="list-style-type: none"> <li>Conduct a CAR/SAM ATM/MET Seminar/workshop, in order to develop a list of possible regional MET requirements in support of ATM</li> </ul>	2010	RO/MET LIMA, RO/MET MEXICO & WMO	Future
<b>Linkage to GPIs</b>	GPI/19 – Meteorological Systems			
<b>References</b>	<ul style="list-style-type: none"> <li><i>Manual on co-ordination between Air Traffic Services, Aeronautical Information Services and Aeronautical Meteorological Services (Doc 9377)</i></li> </ul>			

<b>REGIONAL PERFORMANCE OBJECTIVE: CAR/SAM MET 4 Improve the efficiency of OPMET exchange</b>				
<b>Benefits</b>				
<b>Safety Efficiency</b>	<ul style="list-style-type: none"> <li>Improve the availability of OPMETE information for International Air Navigation through OPMET data CNS/MET coordinated controls in the States of the CAR/SAM Regions.</li> </ul>			
<b>Strategy Short term/Medium term (2010 - 2015)</b>				
<b>ATM OC COMPONENTS</b>	<b>TASKS</b>	<b>TIME FRAME</b>	<b>RESPONSIBILITY</b>	<b>STATUS</b>
<b>MET</b>	<ul style="list-style-type: none"> <li>Carry out OPMET data CNS/MET coordinated controls in the CAR/SAM Regions in order to submit them to the focal points and analyze their results to be presented in CNS/MET Seminars and AERMETSG meetings.</li> </ul>	Annually	RO/MET LIMA & RO/MET MEXICO and States and Territories of the CAR/SAM Regions	Future
	<ul style="list-style-type: none"> <li>Develop a CNS/MET Seminar/Workshop for the CAR/SAM Regions every two years in order to identify the causes of the deficiencies and propose actions for their solution.</li> </ul>	2010 - 2015	RO/MET LIMA & RO/MET MEXICO	Future
<b>Linkage to GPIs</b>	GPI/19 – Meteorological Systems			
<b>References</b>	<ul style="list-style-type: none"> <li><i>GREPECAS Conclusion 15/14</i></li> </ul>			

<b>REGIONAL PERFORMANCE OBJECTIVE: CAR/SAM</b>				
<b>MET 5</b>				
<b>Implementation of MET Quality Management System</b>				
<b>Benefits</b>				
<b>Safety Efficiency</b>	<ul style="list-style-type: none"> <li>Improve the quality of meteorological information and meteorological services and reliability needed for flight planning (efficiency) and in-flight replanning (safety)</li> </ul>			
<b>Strategy</b>				
<i>Short term/Medium term (2011 - 2015)</i>				
<b>ATM OC COMPONENTS</b>	<b>TASKS</b>	<b>TIME FRAME</b>	<b>RESPONSIBILITY</b>	<b>STATUS</b>
<b>MET</b>	<ul style="list-style-type: none"> <li>Support States to implement a Quality Management System in the MET Services, developing a guide of procedures for implementing the Quality Management System for MET Services, including the documented procedures required by ISO 9001:2008 and guidance of the ICAO/WMO joint <i>Manual on the Quality Management System for the Provision of Meteorological Service to International Air Navigation</i> (Doc 9873), as well as the documentary system for the provision of aeronautical meteorological service.</li> </ul>	2010	RO/MET LIMA & QMS MET EXPERT	In progress
	<ul style="list-style-type: none"> <li>Develop of documentary system for the referred guide.</li> </ul>	2010	RO/MET LIMA & QMS MET EXPERT	In progress
	<ul style="list-style-type: none"> <li>Develop a Quality Management Seminar/Workshop for MET services with the objective that the States adapt the quality management to their MET services.</li> </ul>	2010	RO/MET LIMA & QMS MET EXPERT	In progress
<b>Linkage to GPIs</b>	GPI/19 – Meteorological Systems			
<b>References</b>	<ul style="list-style-type: none"> <li><i>Project Document RLA/06/901</i></li> </ul>			