International Civil Aviation Organization
CAR/SAM Regional Planning and Implementation Group (GREPECAS)
Eighth Meeting of the GREPECAS Aeronautical Meteorology Subgroup (AERMETSG/8)
Santiago, Chile, 9 to 13 October 2006

Agenda Item 6: Identification, evaluation and notification of deficiencies in the MET field

(Presented by the Secretariat)

SUMMARY

This working paper presents information on regional activities carried out for the deletion, by the States/Territories, of the deficiencies of each one of the air navigation areas. An updated list of the MET deficiencies is also presented in this working paper.

References:

- Uniform methodology for the identification, evaluation and reporting of air navigation deficiencies, formulated by the ICAO Council.
- GREPECAS/12 (La Havana, Cuba, 2004) and GREPECAS/13 Report (Santiago, Chile, 14 to 18 November 2005).
- Reports on mission to Argentina, Brazil, Chile, Ecuador and Panama.
- Report of the Third Caribbean/South American Regional Air Navigation Meeting (RAN/CAR/SAM/3), (Buenos Aires, Argentina, 5 – 15 October 1999).

1. Introduction

1.1 According to their responsibilities and based on the Uniform methodology for the identification, evaluation and reporting of air navigation deficiencies, formulated by the ICAO Council, the Regional Offices, in coordination with the States/Territories and GREPECAS mechanism, have been periodically reviewing the status of implementation of the CAR/SAM Regional Air Navigation Plan, with a view to identifying and assessing air navigation safety aspects. Based on the results of this review, air navigation deficiencies are identified and then submitted to the ICAO Council, and reported to the States/Territories and user organizations involved.

1.2 The Regional Offices, maintain updated the list of deficiencies and GREPECAS mechanism, through the Air Security Board (ASB), periodically reviews that list and recommends actions for resolving urgent air navigation deficiencies (U) in the CAR/SAM Regions. Likewise, the Regional

Offices in agreement with the States/Territories resolve the deficiencies, and do the follow-up on the recommendations of the GREPECAS ASB.

2. **Discussion**

2.1 Based on the information contained in the regional database on deficiencies, **Appendices A, B** and **C** present an updated list of MET deficiencies. It is important that the States/Territories participating at the meeting review the referred Appendices and if appropriate, present the information to update the list of deficiencies.

2.2 The existing deficiencies affecting the provision of air navigation services in the ICAO Regions, and the need for the States/Territories to implement programmes to resolve them, are a matter of constant concern and high priority for the ICAO Council. In this sense, it should be noted that an important element of the ICAO Global Aviation Safety Plan (GASP), approved through Assembly Resolution A33-16, is the need to improve the identification and resolution of air navigation deficiencies in order to take specific actions for their deletion.

2.3 The meeting will recall that the GREPECAS/12 meeting informed the States/Territories about the ICAO special implementation project (SIP) to improve the database on deficiencies and, as a result of this project, the States, Territories and relevant International Organisations would be offered a faster way of displaying and making changes to the cited database. Once the work of the aforementioned SIP was completed, letters were circulated to CAR/SAM States/Territories with instructions on access to, and corresponding use of the database, as well as the user name and the password, so that States/Territories could access and display, through the public internet, the information contained in the database on deficiencies used by GREPECAS and send the corresponding changes to the Regional Offices with the purpose of updating the information.

2.4 Under this context, GREPECAS/13 when reviewing GREPECAS Air Navigation Deficiencies Database, noted that the States/Territories of both Regions were not taking full advantage of the potential of this electronic tool, in the sense of providing updated information for said database, consequently formulated Decision 13/91 - Focal Points for GANDD coordination, which is included in **Appendix D** to this working paper.

2.5 The subgroup could also take note that the 35th Session of the Assembly formulated, *inter alia*, Resolution A35-7- Unified strategy for resolving safety-related deficiencies. This Resolution refers to the deficiencies to be identified by the Universal Safety Oversight Audit Programme (USOAP), a programme which, by applying the systems approach (Res. A 35-6 of the 35th Assembly Session), will reveal the causal and critical issues in civil aviation organisations that could generate deficiencies of potential risk for the aviation safety.

2.6 In this sense, it should be noted that the USOAP would obtain data concerning the situation of the State, including information on air navigation deficiencies. The USOAP audit programme is applied in accordance with the Memorandum of Understanding (MOU) between the USOAP and the State and, among other important issues, verifies whether the State has established an efficient safety oversight mechanism. The States/Territories should constantly review the list of deficiencies, verify compliance with the action plans, and, to the extent required, formulate/amend said plans. This constant review of the list of deficiencies will provide, on the one hand, updated information to expedite the proper definition of the audit protocols to be used by the USOAP in future audits, and, on the other, a means to meet commitments related to the implementation of the Air Navigation Plan.

2.7 The meeting shall recall that GREPECAS Decision 12/124 requests GREPECAS to adopt the following last resort actions when the efforts to eliminate deficiencies prove unsuccessful, after exhausting all alternatives:

a) propose the inclusion of an alternate facility/procedure in the ANP; or

b) when a corrective action as a) above cannot be recommended by the board, provide the State(s)/Territory(ies)/users and ICAO with an analysis concerning risk associated with such deficiency.

2.8 In this respect, the meeting is encouraged in order that meteorological authorities take note this Decision with regard to MET deficiencies.

2.9 It has become clear that States/Territories do not regularly report deficiencies, thus, GREPECAS AERMETSG meetings can seldom be a reliable source of information. In this regard, a proactive approach by the States/Territories will be required in order to enhance and improve the collection of data related to MET deficiencies, thus the following is proposed:

a) regular contacts with the users (IATA, IFALPA); and

b) more widespread use of “indirect sources”, i. e.

- differences filed by States/Territories;

- MET missions to States/Territories; and

- reports by IATA and IFALPA

2.10 Concerning air navigation deficiencies in the MET area, GREPECAS/12 took note that in most States/Territories of the CAR Region, meteorological service has been delegated to National Meteorological Services, which depend on higher level entities outside civil aviation. In addition, the meeting considered important that the States/Territories be informed that the responsibility of the provision of these services is the civil aviation authority.

2.11 In this context, the meeting could be aware that in view of the participation of SAM States/Territories in AERMETSG meetings and the regularity of the missions under ICAO SAM Office regular programme, the list of deficiencies of this Region has been updates regularly. However, the same circumstances have not presented for the CAR Region, for this reason, the meeting could agree to carry out a SIP in that region and formulate the following draft conclusion:

DRAFT
CONCLUSION 8/XX - MET SPECIAL IMPLEMENTATION PROJECT (SIP) FOR THE CAR REGION

That ICAO consider the need of activating a MET Special Implementation Project for the CAR Region, aimed at studying and recommending measures for several CAR States/Territories, with the purpose of solving specifically the problems affecting MET service. The terms under which the mentioned project is proposed to be developed are presented as **Appendix E** to this working paper.

3. **Action proposed**

3.1 The Subgroup is invited to:

a) review and update the list of MET deficiencies;

b) adopt the Draft Conclusion indicated in paragraph 2.11 above; and

c) propose other actions resulting from the discussion of this working paper.

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OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Anguilla										
MET	7 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Anguilla	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist.	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	State	TBD	A
MET	58 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Anguilla	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	State	TBD	A
MET Antigua and Barbuda/Antigua y Barbuda										
MET	6 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Antigua and Barbuda	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49.	22/06/96	Review the functions and training of the aeronautical meteorologist	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology. Action Plan: The World Meteorological Organization, in coordination with ICAO, is seeking a solution to offer courses and seminars in aeronautical meteorology.	State	TBD	A
MET	59 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Antigua and Barbuda	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B	20/06/96	a) To implement the SIP COM/MET Recommendations for the CAR Region, b) to make use for the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	State	TBD	A
MET	44 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Antigua and Barbuda	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements. Action Plan: This deficiency still remains.	State	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Aruba										
MET	8 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Aruba	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist.	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A
MET	60 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Aruba	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	27 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Aruba	RVR have not been implemented	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B
MET	45 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Aruba	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET Bahamas										
MET	9 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Bahamas	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49.	22/06/96	Review the functions and training of the aeronautical meteorologist.	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A
MET	61 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Bahamas	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	46 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Bahamas	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Belize/Belice										
MET	11 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5.	Belize	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49.	22/06/96	Review the functions and training of the aeronautical meteorologist.	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A
MET	63 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Belize	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	a) Implement the SIP COM/MET Recommendations for the CAR Region, b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	30 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Belize	RVR have not been implemented.	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B
MET	47 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Belize	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET Costa Rica										
MET	12 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Costa Rica	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist.	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A
MET	64 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Costa Rica	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	a) Implement the SIP COM/MET Recommendations for the CAR Region, b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	31 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Costa Rica	RVR have not been implemented	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	48 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Costa Rica	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET El Salvador										
MET	15 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	El Salvador	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49 .	22/06/96	Review the functions and training of the aeronautical meteorologist.	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A
MET	67 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	El Salvador	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	a) Implement the SIP COM/MET Recommendations for the CAR Region, b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	34 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	El Salvador	RVR have not been implemented	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B
MET	50 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	El Salvador	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET Grenada/Granada										
MET	16 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Grenada	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	State	TBD	A
MET	69 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Grenada	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B	20/06/96	a) Implement the SIP COM/MET Recommendations for the CAR Region, b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	State	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	35 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Grenada	RVR have not been implemented	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B
MET	51 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Grenada	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	State	TBD	A
MET Guatemala										
MET	17 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Guatemala	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A
MET	70 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Guatemala	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	a) Implement the COM/MET SIP Recommendations for the CAR Region; and b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	36 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Guatemala	RVR have not been implemented	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B
MET	52 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Guatemala	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET Haiti										
MET	18 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Haiti	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49.	22/06/96	Review the functions and training of the aeronautical meteorologist	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	71 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Haiti	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B	20/06/96	a) Implement the COM/MET SIP Recommendations for the CAR Region; and b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	37 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Haiti	RVR have not been implemented.	22/06/96	Plan de acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B
MET	53 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Haiti	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET	2 C	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Haiti	Not all SIGMET messages are prepared based on the procedures established by ICAO.	22/05/96	a) Implement the COM/MET SIP recommendations for the CAR Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure the correct elaboration of SIGMETs and their dissemination in accordance with the requirements of Table MET 2A.	State	04/03	U
MET Honduras										
MET	82 C	Aeronautical weather information (Annex 3, Chap. 8, Standard 8.1.1)	Honduras	No aerodrome weather tables are being prepared, nor aerodrome weather summaries.	29/09/05			DGCA		B
MET	84 C	Communications (Annex 3, Chap. 11, Standards 11.1.1, 11.1.2, 11.1.4)	Honduras	These requirements are not being complied.	29/09/05			DGCA		U
MET	19 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Honduras	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	DGCA	TBD	A
MET	81 C	Establishment of a meteorological watch office (MWO) (Annex 3, App. 3, Estándar 3.4.1 and Table MET 2B of CAR/SAM FASID).	Honduras	Honduras does not have instalations for the MWO of Tegucigalpa.	29/09/05			DGCA		U

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Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	80 C	Establishment of aerodromes meteorological offices (Annex 3, Chapter 3, Standard 3.3.1) and Table MET 1A of CAR/SAM FASID.	Honduras	Toncontín aerodrome (HHTG) does not have a meteorological office.	29/09/05			DGCA		U
MET	72 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Honduras	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	a) Implement the COM/MET SIP Recommendations for the CAR Region; and b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	DGCA	TBD	A
MET	85 C	Exchange of special airreports (Annex 3, Chap. 5, Standard 5.9)	Honduras / ATS Units	ATS units do not document special AIREP to MET units.	29/09/05	Develop an ATS/MET letter of agreement and make a follow-up in order to comply with that established on it.		DGCA		U
MET	83 C	Flight documentation (Annex 3, Chap 9, Standard 9.3.4)	Honduras	No flight documentation is being prepared.	29/09/05			DGCA		U
MET	38 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Honduras	RVR have not been implemented	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	DGCA	TBD	B
MET Jamaica										
MET	20 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Jamaica	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	A
MET	73 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39	Jamaica	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	a) Implement the COM/MET SIP Recommendations for the CAR Region; and b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	39 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Jamaica	RVR have not been implemented	22/06/96	Plan the acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	54 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Jamaica	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET	4 C	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Jamaica	Not all SIGMET messages are prepared based on the procedures established by ICAO	22/05/96	a) Implement the COM/MET SIP recommendations for the CAR Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure the correct elaboration of SIGMETs and their dissemination in accordance with the requirements of Table MET 2A.	State	04/03	U
MET Netherlands Antilles/Antillas Neerlandesas										
MET	75 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Netherlands Antilles	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	States	TBD	A
MET	55 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Netherlands Antilles	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	States	TBD	A
MET	5 C	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Netherlands Antilles	Not all SIGMET messages are prepared based on the procedures established by ICAO.	22/05/96	a) Implement the COM/MET SIP recommendations for the CAR Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Ensure the correct elaboration of SIGMETs and their dissemination in accordance with the requirements of Table MET 2A.	State	04/03	U
MET Saint Lucia/Santa Lucía										
MET	24 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	Saint Lucia	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	State	TBD	A
MET	77 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Saint Lucia	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B.	20/06/96	a) Implement the COM/MET SIP Recommendations for the CAR Region; and b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A.	State	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	42 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Saint Lucia	RVR have not been implemented	22/06/96	Plan de acquisition of the RVR	To ensure the implementation of required RVR.	State	TBD	B
MET	56 C	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Saint Lucia	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/05/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements.	State	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Argentina										
MET	53 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAEZ, SACO, SAZM, SARE and SAME have not been implemented.	02/08/06	Plan the acquisition or repairment of the RVR.	Installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2006/2007	A
MET	76 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAZS, SARI y SAWH have not been implemented.	02/08/06	Plan the acquisition or repairment of the RVR.	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2008	A
MET	77 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SASA, SAZN SARP have not been implemented.	02/08/06	Plan the acquisition or repairment of the RVR.	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2009	A
MET	78 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SASJ, SAWG, SANT have not been implemented.	02/08/06	Plan the acquisition or repairment of the RVR.	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2010	A
MET	79 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAWE, SAVC, SARF have not been implemented.	02/08/06	Plan the acquisition or repairment of the RVR.	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2011	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
		Requirements	States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Bolivia										
MET	30 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Bolivia / Aerodrome meteorological offices and meteorological watch office (MWO) of La Paz	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49. MET Technical personnel is complying functions of professional meteorologists.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	They have one place reserved in 2005 for the MET international course in the INM of Spain (Meteorological Technician Higher Level) (AASANA/2007). The complementation of the carreer for Meteorologists and MET Technicians Higher Level is being arranged in the San Simon University of Cochabamba (AASANA 2009). A study programme for the course of MET Technician Higher Level is being developed at INAC (AASANA 2007).	AASANA	TBD	U
MET	41 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, chapter 4, Recommendation 4. 6.3.2]	Bolivia / Aeronautical MET stations	RVRs SLVR and SLTR have not been implemented or are not operational.	22/06/96	Plan the acquisition or repairment of the RVRs.		AASANA	TBD	A
MET Brasil										
MET	73 S	Notify the RVR for CAR III operations [Annex 3, Chapter 4, Standards: 4.6.3.1 and 4.6.3.4 c)]	Brazil, Runway visual range	The RVR of SBCT have not been implemented	28/11/05	Plan RVR acquisition		DECEA	TBD	U
MET	74 S	Notify the RVR for CAR III operations [Annex 3, Chapter 4, Standards: 4.6.3.1 and 4.6.3.4 c)]	Runway visual range	The RVR of SBBR and SBCG have not been implemented	28/11/05	Plan RVR acquisition		DECEA	TBD	A
MET Chile										
MET	75 S	Notify the RVR for CAT I Operations (Annex 3, Chapter 4, Rec. 4.6.3.2)	Chile, transmisometer	The RVR of SCIE SCCI have not been implemented.	DEC/06		To plan the acquisition of the transmisometer or forward-scatter meter for SCCI aerodrome.	DGCA in coordination with the MET authority	2006 TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
		Requirements	States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Colombia										
MET	32 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Colombia / Aerodrome meteorological offices and meteorological watch office (MWO) of Bogotá	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49, MET Class IV personnel is carrying out functions of MET Class II personnel.	22/06/96	a) Review the functions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	In consultancy process, through TDA; through which alternatives for the solution to this problem are expected.	UAEAC	TBD	U
MET	42 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Recommendation 4.6.3.2]	Colombia / Aerodrome meteorological stations	RVRs SKBQ, SKCG and SKLT have not been implemented or are not operational.	22/06/96	Plan the acquisition or repairment of the SKLT RVR.	SKBQ RVR in repairment process; SKCG RVR will be acquired; SKRG RVR in repairment process.	UAEAC	11/05;10/06;0'	A
MET Ecuador										
MET	33 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Ecuador / Aerodrome meteorological offices and meteorological watch office (MWO) of Guayaquil	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	Training programmes at national and international level are being carried out to have the specialized aeronautical meteorology personnel required.	DGAC	2007	B
MET	43 S	Notify the RVR for CAT 1 operations [(Annex 3, Parte I, chapter 4, Recommendation 4.6.3.2]	Ecuador / Aeronautical meteorological stations	RVRs SEGU and SEQU have not been implemented or are not operational.	22/06/96	Plan de acquisition and/or repairment of the RVRs.		DGAC	TBD	A
MET Guyana										
MET	34 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Guyana / Aerodrome meteorological office and meteorological watch office (MWO) of Georgetown	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.		GCAA in coordination with National MET Service	TBD	A
MET	44 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, chapter 4, Recommendation 4.7.4 a)]	Guyana / Georgetown aeronautical meteorological station	RVRs SYCJ is not operational.	22/06/96	Plan the repairment of the RVR		GCAA in coordination with Natl. MET Service	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
		Requirements	States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	61 S	Requirements for communications, Annex 3, Part I, standard 11.1.1	Guyana, COM dependency		09/10/04	Suitable communications facilities shall be made available to permit MET offices to supply the required MET information to ATS units.		CAA in coordination with the Hydromet Service	TBD	U
MET	56 S	Surface wind, Annex 3, Part II, standard 4.1.2.1)	Guyana COM Dependency	Displays of surface wind in ATS units corresponds to wind sensor installed unde the control tower	09/10/2004	Surface wind display in the surface of ATS dependencies must corresponds to the sensors of the MET station		CAA in coordination with Hydromet Service	TBD	U
MET Panama										
MET	35 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Panama / Aerodrome meteorological offices and meteorological watch offices (MWO) of Tocumen	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	They are making efforts to use the resources of some projects to be implemented.	AAC	End of 2005	B
MET Paraguay										
MET	36 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Paraguay / Aerodrome meteorological offices and meteorolgoical watch office (MWO)	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	22/06/96	a) Make a revision of funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	Capture graduated personnel, with Class II title, of the Asuncion National University, who have the minimum knowledge required to carry out the aeronautical meteorologist tasks.	DINAC	2007	B
MET	45 S	Notify the RVR for CAT 1 operations (Annex 3, Part I, Chapter 4, Recommendation 4.6.3.2)	Paraguay / aeronautical meteorological stations	RVRs SGAS and SGES are installed but not in operation.	22/06/96	Solve the inconveniences related to the transmission of the data generated by the RVR sensors.	The implementation of RVR SGAS is foreseen for December 2005 and the RVR SGES for August 2006.	DINAC	Aug 2006	A
MET Peru										
MET	46 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, para. 4.7.4 a)]	Peru / Aeronautical meteorological stations	RVRs SPIM MID, SPQU, SPHI, SPRU, SPSO and SPTN have not been implemented.	22/06/96	Plan the acquisition or repairment of the RVRs.	Lima TDZ and Cusco: 2001, Iquitos 2002, Arequipa 2004, Chiclayo and Trujillo 2006, Pisco and Tacna 2007. The RVR MID of Lima, December 2004.	CORPAC	2007	U

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
		Requirements	States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	63 S	Runway visual range (Annex 3, Part I, Chap. 4, standard 4.6.3.4) FASIC Table AOP 1 (CAR/SAM III-AOP 1-39)	Aerodrome meteorological station of Lima-Callao	No runway visual range assessments are made in the middle point.	Nov. 2004		The RVR will be transferred from the runway end to the middle point.		2005	U
MET	62 S	WMO requirements regarding qualifications and training of MET personnel (Annex 3, Part I, Chapter 2, standard 2.1.15)	Peru, MWO and Aerodrome MET Office of Lima-Callao	Meteorological technicians (Classes III and IV) are making MET forecasts and developing supervisory functions.	Nov. 2000		Rotation of the corresponding charges.	CORPAC	2005	U
MET Suriname										
MET	38 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Suriname / Aerodrome meteorological offices and meteorological watch office (MWO) of Paramaribo	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.		NCAA in coordination with the MET Centre	TBD	B
MET	21 S	Exchange of OPMET information (CAR/SAM FASID para. 35 to 39)	Suriname / Aeronautical meteorological stations and meteorological watch office (MWO) of Paramaribo	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.		NCAA in coordination with the MET Centre		A
MET	7 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Suriname / ATS Units	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.	22/06/96	Review ATS/MET Letter of agreement and make a follow-up to ensure its compliance.		CAA		U
MET	47 S	Report the RVR for CAT 1 operations (Annex 3, Part I, Chapter 4, Recommendation 6.3.2)	Suriname / Aeronautical meteorological stations	SMJP RVRs of Zandery - SMJP have not been implemented.	22/06/96	Plan the acquisition or repairment of RVRs.		DCA	TBD	A
MET	64 S	Requirements for communications, Annex 3, Part I, standard 11.1.1	Suriname COM unit		09/10/04	Suitable telecommunications facilities shall be made available to permit MET offices to supply the required MET information to ATS units.		NCAA in coordination with the Guyana Hidromet Serv	TBD	U
MET	58 S	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Suriname Aerodrome MET Offices and MET Watch Office (MWO of Paramaribo	SIGMETs have not been prepared	11/10/2004	As a matter of urgency the Suriname MET services starts preparing and issuing SIGMETs		The NCAA in coordination with the MET Centre	TBD	U

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	59 S	Surface wind, Annex 3, Part II, standard 4.1.2.1	Suriname COM Dependency	Displays of surface wind in ATS units correspond to wind sensor installed at the top of the TWR	09/10/2004	Surface wind display in the surface of ATS dependencies must corresponds to the sensors of the MET station		NCAA in coordination with the Hydromet Centre	TBD	U
MET Uruguay										
MET	71 S	Clouds watch and report (Annex 3, Part I, Chapter 4, standard 4.9.3)	Uruguay, aeronautical meteorological stations	Instrument systems to measure clouds base altitude have not been implemented in SUMU.	Dec 2003	Plan the acquisition of instrument systems to measure the clouds base altitude.	Coordination DINACIA / Consorcio Puerta del Sol / DNM. Cloud base measurement equipment was installed. Standardization is lacking.	DINACIA / Consorcio Puerta del Sol / DNM	End 2006	U
MET	39 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Uruguay / Meteorological Watch Offices	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	Implemented by the DNM - Coordinate with DINACIA/Instituto de Adiestramiento Aeronáutico.	DINACIA / DNM	Dec 2004	B
MET	22 S	Exchange of OPMET information (FASID CAR/SAM para. 35 to 39)	Uruguay / Aeronautical meteorological stations and meteorological watch offices (MWO)	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	Coordination between COM/MET. Implementation of SIGMET guide training.	COM/MET - WMO	0/09/04-Dic/0	A
MET	48 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, standard 4.6.3.2]	Uruguay / Aeronautical meteorological stations	RVRs of SUMU have not been implemented.	22/06/96	Plan the acquisition or repairment of the RVRs.	Coordination DINACIA / Consorcio Puerta del Sur / DNM	DINACIA / Consorcio Puerta del Sur / DNM	May 2005	A
MET	8 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.9)	Uruguay / ATS Dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/06/96	Review ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	ATS/MET Coordination was adjusted	DCA (Air Navigation)/MWO	30 Set 2004	U
MET Venezuela										
MET	68 S	Exchange of OPMET information (CAR/SAM ANP Basic, paras. 35 to 39)	Venezuela, Caracs MWO and MET offices	MET offices do not have direct access to AFTN	06/12/04	Implement COM Recommendations of SIP COM/MET for CAR/SAM Regions		INAC in coordination with the SMN	TBD	A
MET	67 S	FASID Table AOP 1 (CAR/SAM III-AOP 1-39)	Venezuela, Barcelona, Caracas, Maracaibo and Margarita	RVR assessments have not been implemented.	22/06/96		Plan the acquisition of the required instruments.	INAC in coordination with the SMN	TBD	A

OUTSTANDING DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	69 S	Flight documentation (Annex 3, Part I, Recommendation 9.4.1)	Venezuela, MET Office Caracas	Is not in accordance with Annex 3.	Dec 2005	Reported by IATA	Implement the Recommendations of the mission carried out on Dec. 2004.	INAC in coordination with SMN	2nd quart. 200	A
MET	70 S	MET stations and obs. (Annex 3, Part I, standard 4.1.1)	Venezuela, MET Office Maracaibo	IATA informs that all MET information is inappropriate.	Apr 2005	Reported by IATA.	Implement the Recommendations of the mission carried out in Dec. 2004.	INAC in coordination with SMN	TBD	U
MET	49 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, para. 6.3.2]	Venezuela / Aeronautical meteorological stations	The RVRs of SVBC, SVMI, SVMC and SVMG have not been implemented.	22/06/96	Plan the acquisition of the RVRs.		INAC in coordination with the Natl. MET Service	TBD	A
MET	66 S	Ordinary remarks and reports (Annex 3, Part I, Chapter 4, standards 4.3.1 and 4.3.2)	Venezuela, Paraguana and Maracaibo	Does not have MET stations	06/12/04		Give priority to the installation of these stations with the VNEMETH Programme.	INAC in coordination with the SMN	TBD	U
MET	65 S	WMO requirements regarding MET personnel qualifications and training (Annex 3, Part I, Chapter 2, standard 2.1.15)	Venezuela, Caracas WMO	Caracas MWO does not have the minimum personnel required for the provision of MET service	06/02/04		Implement recommended actions MET/05 and MET/06 of December 2004 mission.	INAC in coordination with SMN	2nd half 2006	A

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Bahamas										
MET	28 C	CAR/SAM ANP MET Requirements, Table AOP 1.	Bahamas	RVR have not been implemented.	22/06/96		Corrected	State	2004	B
MET Barbados										
MET	62 C	CAR/SAM ANP Requirements, Part VI, para. 8.	Barbados	There are deficiencies in the OPMET exchange.	20/06/96	Review the OPMET exchange procedures, both in the meteorology and communications areas.	Corrected	States	27/10/04	A
MET	29 C	Notify the RVR for CAT I operations (Annex 3, Part I, Chapter 4, Recommendation 4. 6.3.2)	Barbados	RVR have not been implemented.	22/06/96	Recommended practice, therefore, RVR will not be implemented.	Recommended practice, therefore, RVR will not be implemented.	State	06/2006	B
MET Cuba										
MET	13 C	Adequate number of MET trained staff.	Cuba	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	22/06/96	To use CAR/SAM technical cooperation regional projects for the training of aeronautical meteorology.	To implement from September 2003 the professional degree on "Licenciate on Meteorology" at the "Universidad de la Habana"	States	2008	A
MET	65 C	CAR/SAM ANP Requirements, Part VI, para. 8.	Cuba	There are deficiencies in the OPMET exchange.	20/06/96	Review the OPMET exchange procedures, both in the meteorology and communications areas.	Corrected	ICAO	10/02	A
MET Dominican Republic/República Dominicana										
MET	1 C	CAR/SAM ANP requirements, Part VI, para. 6 and Annex 3 provision, Chapter 7, para. 7.2.1.	Dominican Republic	There is no follow-up on local procedures for issuance of SIGMETs.	22/05/96	CAR/SAM ANP requirements, Part VI, par. 6 and availability of Annex 3, Chapter 7, par. 7.2.1	Corrected	States	2005	U
MET French Antilles/Antillas Francesas										
MET	68 C	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	French Antilles	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 3B	20/06/96	a) Implement the SIP COM/MET Recommendations for the CAR Region, b) Make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions	Corrected	State	2005	A
MET Honduras										
MET	3 C	CAR/SAM ANP requirements, Part VI, para. 6 and Annex 3 provision, Chapter 7, para. 7.2.1.	Honduras	There is no follow-up on local procedures for issuance of SIGMETs.	22/05/96	MWOs should review the local procedures for the issuance of SIGMETs and control of its issuance on a periodical basis.	Corrected	State	2002	U

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Mexico										
MET	21 C	Adequate number of MET trained staff.	Mexico	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	22/06/96	To use CAR/SAM technical cooperation regional projects for the training of aeronautical meteorology.	Corrected	States	2005	A
MET Trinidad and Tobago/Trinidad y Tabago										
MET	25 C	Adequate number of MET trained staff.	Trinidad and Tobago	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	22/06/96	To use CAR/SAM technical cooperation regional projects for the training of aeronautical meteorology.	Corrected	State	2004	A
MET United States/Estados Unidos										
MET	26 C	Compliance with the requirements of WMO with regard to qualifications and training of aeronautical meteorology personnel (Annex 3, Part I, Chapter 2, standard 2.1.5	United States	Not all personnel complies with the requirements related to qualifications and training of WMO Publications N°. 49	22/06/96	Review the functions and training of the aeronautical meteorologist.	Corrected	State	2005	A

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Argentina										
MET	29 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Argentina / Aerodrome meteorological offices and meteorological watch offices (MWOs)	Not all METpersonnel complies with the qualifications and training requirements of WMO Publication No. 49.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	CORRECTED	National Meteorological Service	End of 2002	B
MET	10 S	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Argentina / Aeronautical meteorological stations and meteorological watch offices (MWOs)	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED.	National MET Service	2000	A
MET	24 S	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Argentina / Meteorological watch offices (MWOs)	Not all SIGMET messages are prepared based on the procedures established by ICAO.	06/2000	a) Implement the SIGMET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	National Meteorological Service	March 2001	U
MET Bolivia										
MET	11 S	Exchange of OPMET information (ANP Basic CAR/SAM, para. 35 to 39)	Bolivia / Aeronautical meteorological stations and meteorological watch office (MWO) of La Paz	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	AASANA	2000	A
MET	1 S	Retransmission of Special AIREPs by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Bolivia / Dependencias ATS	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/06/96	Review ATS/MET Letter of agreement and make follow-up to ensure its compliance.	CORRECTED Application of the Letter of Agreement ATS/MET	AASANA	Nov 2002	U
MET Brazil/Brasil										
MET	31 S	Adequate number of MET trained staff	Brazil/Brasil	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists	22/06/96	To use CAR/SAM technical cooperation regional projects for the training in aeronautical meteorology. Brazil: To eliminate the lack of forecasters, training process of the same has been re-initiated.	CORRECTED	Indicated State	2005	A

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	12 S	CAR/SAM ANP, Part VI, para. 8	Brazil/Brasil	There are deficiencies in the OPMET exchange	20/06/96	That COM and MET personnel jointly review the procedures for OPMET exchange	CORRECTED	Indicated State	2003	A
MET Chile										
MET	13 S	CAR/SAM ANP, Part VI, para. 8	Chile	There are deficiencies in the OPMET exchange	20/06/96	That COM and MET personnel jointly review the procedures for OPMET exchange	CORRECTED	Indicated State	2003	A
MET	55 S	Exchange of special AIREPs (Annex 3, Chapter 5, para. 5.9)	Chile / ATS dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.		Review the ATS/MET letter of agreement and make a follow-up to ensure its compliance.	CORRECTED	DGAC	December 200	U
MET	26 S	SIGMET information (Annex 3, Chapter 7, para. 7.2)	Chile / Meteorological watch offices (MWOs)	Not all SIGMET messages are prepared based on the procedures established by ICAO.	06/2000	a) Implement the SIGMET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	DGAC	December 200	U
MET Colombia										
MET	14 S	Exchange of OPMET information (ANP Basic CAR/SAM para. 35 to 39)	Colombia / Aeronautical meteorological stations and meteorological watch office (MWO) of Bogota	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	The new OPMET banks are in acquisition process. CORRECTED	UAEAC	2005(2nd sem	A
MET	2 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Colombia / ATS Dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/06/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	CORRECTED	UAEAC	TBD	U
MET	25 S	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Colombia / Meteorological watch offices (MWOs) of Bogotá	Not all SIGMET messages are prepared based on the procedures established by ICAO.	06/2000	a) Implement the SIGMET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	a) In consultancy process, through TDA, through which alternatives for the solution to this problems are expected; and b) the organization of the Meteorological Services is being carried out in Aerocivil Colombia. CORRECTED	UAEAC		U

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Ecuador										
MET	15 S	CAR/SAM ANP, Part VI, para. 8	Ecuador	There are deficiencies in the OPMET exchange	20/06/96	That COM and MET personnel jointly review the procedures for OPMET exchange	CORRECTED	Indicated State	2003	A
MET	3 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Ecuador / ATS dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.	22/06/96	Review the ATS/MET letter of agreement and make a follow-up to ensure its compliance.	CORRECTED			U
MET	27 S	SIGMET information (Annex 3, Chapter 7, para. 7.2)	Ecuador / Meteorological watch office (MWO) of Guayaquil	Not all SIGMET messages are prepared based on the procedures established by ICAO.	06/2000	a) Implement the SIGMET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	DGAC	2002	U
MET French Guiana/Guyana Francesa										
MET	16 S	CAR/SAM ANP, Part VI, para. 8	French Guiana/Guyana Francesa	There are deficiencies in the OPMET exchange	20/06/96	That COM and MET personnel jointly review the procedures for OPMET exchange	CORRECTED	Indicated State	2003	A
MET Guyana										
MET	17 S	Exchange of OPMET information (FASID CAR/SAM para. 35 to 39)	Guyana / Aeronautical meteorological stations and meteorological watch offices (MWO) of Georgetown	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP conclusions for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	The OPMET data is exchanged through the ISCS (two way) CORRECTED	NCAA in coordination with Hidromet Nat. Service		A
MET	4 S	Relay of air reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Guyana / ATS dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/06/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	CORRECTED			U
MET	28 S	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Guyana / Meteorological watch offices (MWOs) of Georgetown	Not all SIGMET messages are prepared based on the procedures established by ICAO.	06/2000	a) Implement the SIGMET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	Guyana Hydromet National Service	Dec 2004	U

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Panama										
MET	18 S	Exchange of OPMET information (FASID CAR/SAM para. 35 to 39)	Panama / Aeronautical meteorological stations and meteorological watch offices (MWO) of Tocumen	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	DAC	Dec 2002	A
MET	5 S	Exchange of special AIREPs (Annex 3, Part I, Chapter 5, standard 5.9)	Panama / ATS Dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/06/96	Review ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	CORRECTED	DAC	Dec 2004	U
MET	57 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, para. 5.8)	Panama ATS dependency	ATS dependencies do not relay regularly all the special AIREPs to the MET dependencies	Sep. 2003	Review the ATS letter of agreement and follow-up to the compliance of same	Emphasis to the ATS/MET personnel to comply with this requirement. They will initiate a programme to regulate the AIREPs retransmission CORRECTED	CAA	Dec. 2004	U
MET Paraguay										
MET	19 S	Exchange of OPMET information (FASID CAR/SAM para. 35 to 39)	Paraguay / Aeronautical meteorological stations and meteorological watch offices (MWOs)	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	DINAC	January 2002	A
MET	6 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Paraguay / ATS Dependencies	ATS dependencies do not trasmit regularly all special AIREPs to MET dependencies.	22/06/96	Review the ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	ATS/MET coordination has been reviewed (2002) CORRECTED	DINAC	Dec 2004	U

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET Peru										
MET	37 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Chapter 2, para. 2.1.5)	Peru / Aerodrome meteorological offices and meteorological watch office (MWO) of Lima	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	22/06/96	a) Review the funcions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	a) In 1996 the number of MET Class I was increased to 6 for Arequipa, Cusco and Iquitos (2 for AMO); b) In 2003, 2004 and 2005 the training of MET IV at national level will be carried out; c) Efforts will be made in order that MET personnel be trained using ICAO technical cooperation regional projects; and d) coordinations are being made with the National Meteorological Service (SENAMHI) to use the training programmes of the WMO on forecasts. CORRECTED	CORPAC		B
MET	20 S	Exchange of OPMET information (FASID CAR/SAM para. 35 and 39)	Peru / Aeronautical meteorological stations and meteorological watch offices (MWO) of Lima	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.	22/06/96	a) Implement the COM/MET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	CORPAC	Nov 2000	A
MET Uruguay										
MET	60 S	Requirements for communications (Annex 3, Part I, Chapter 11, standards 11.1.1 and 11.1.2)	Uruguay CNS 1 Units	There is no communication between the aerodrome MET office and the ATS dependencies neiterh with the MWO and the ACC. CORRECTED	Dec. 2003	Establish communications. Implemented	Coordination with Electronics - DINACIA CORRECTED	DINACIA/Electronics	2004	U
MET Venezuela										
MET	9 S	Exchange of special AIREPs (Annex 3, chapter 5, para. 5.9)	Venezuela / ATS dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies	22/06/96	Review ATS/MET Letter of agreement and make a follow-up to ensure its compliance.	CORRECTED	INAC, in coordination with Natl. MET Service	December 200	U

CORRECTED DEFICIENCIES (A,B,U)

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies			Corrective Action			
Requirements			States/facilities	Description	Date first reported	Remarks	Description	Executing body	Date of completion	Priority for action
MET	54 S	SIGMET information (Annex 3, Chapter 7, para. 7.1)	Venezuela / Meteorological watch offices (MWOs) of Maiquetía	Not all SIGMET messages are prepared based on the procedures established by ICAO.	06/2000	a) Implement the SIGMET SIP recommendations for the SAM Region; and b) make use of the Guide for the preparation, dissemination and use of SIGMET messages in the CAR/SAM Regions.	CORRECTED	INAC in coordination with National Weather Service	June 2004	U

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies	Action Plan				
Requirements			States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET Barbados									
MET	10 C	Adequate number of MET trained staff.	Barbados	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	26/06/06	1. There is still a need for met information technology specialist. STATUS - Outstanding 2. A new Doppler radar will be installed in 2007, personnel will be trained to analyze imagery. - STATUS - To be completed in 2007. 3. There was never any need to increase aeronautical meteorologist. The Caribbean Meteoroligical Institute is located in Barbados and our MET Services has an adequate number of trained Meteorologist. - STATUS - Corrected	Barbados	12/2007	There is still a need for MET information Technology specialist.
MET Cuba									
MET	32 C	CAR/SAM ANP MET Requirements, Table AOP 1.	Cuba	MUCO RVR has not been implemented.	21/06/06	Request ICAO a proposal for amendment of the CAR/SAM ANP FASID Table AOP1 Completion date: Boyeros - December 2006 Varadero - December 2007 Camagüey - the requirement will be deleted when requesting the elimination of the main runway Cat I	ECASA	2006/2007	
MET Dominican Republic/República Dominicana									
MET	14 C	Adequate number of MET trained staff.	Dominican Republic	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	09/02/04	To establish training courses at national level for basic and regular levels, and to use the regional projects of Technical Cooperation for high level. Action Plan: There are requirements of specialized meteorological personnel in the Meteorological Aeronautical field and an important amount of aeronautical meteorologists.	States	2008	Few regional contacts for a training plan and lack of financing.
MET	33 C	CAR/SAM ANP MET Requirements, Table AOP 1.	Dominican Republic	RVR have not been implemented.	09/02/04	Establishment of RVR systems. Action Plan: The RVR hav not been implemented yet.	State	2008	Lack of financing and very expensive equipment.
MET	66 C	CAR/SAM ANP Requirements, Part VI, para. 8.	Dominican Republic	There are deficiencies in the OPMET exchange.	09/02/04	To foster the control of MET information exchange of the Region and at national level.	States	2006	Lack of information and few available personnel to carry out the control. There are deficiencies in the OPMET exchange
MET	49 C	CAR/SAM ANP, Part VI, Meteorology, para. 3.	Dominican Republic	Do not transmit regularly the special AIREPs in accordance with requirements.	09/02/04	To coordinate with the ATC the technical agreements to obtain the information from the aricrafts. Action Plan: The special AIREPs are not being transmitted in regular form, according to the requirements.	States	2006	Problems to establish the letters of agreement and few personnel.

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies	Action Plan				
Requirements			States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET Mexico									
MET	40 C	CAR/SAM ANP MET Requirements, Table AOP 1.	Mexico	RVR have not been implemented.	10/02/04	Toluca Airport (MMTO) has three RVR sensors, and it is expected to be operating at the end of 2005. Expected dates of RVR installation at MMMX, MMGL and MMMY airports: 6/2007	State	6/07	Budgetary reasons had delayed the acquisition of these equipments.
MET	74 C	CAR/SAM ANP Requirements, Part VI, para. 8.	Mexico	There are deficiencies in the OPMET exchange.	10/02/04	It is expected that at the end of 2005 the implementation of the template be continued in order to avoid mistakes in the MET report transmission.	States	4/2006	Budgetary reasons had delayed the implementation of this programme-template.
MET Netherlands Antilles/Antillas Neerlandesas									
MET	22 C	Adequate number of MET trained staff.	Netherlands Antilles	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	25/03/03	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology.	States	TBD	
MET Nicaragua									
MET	23 C	Adequate number of MET trained staff.	Nicaragua	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	16/01/04	To make the best efforts to have the adequate number of personnel duly trained in aeronautical meteorology. Action plan: There are ten aeronautical meteorologists duly trained by the OMM. This amount is due to the actual level of automation	States	TBD	
MET	41 C	CAR/SAM ANP MET Requirements, Table AOP 1.	Nicaragua	RVR have not been implemented.	16/01/04	To ensure the implementation of required RVR.	State	TBD	This implementation is still under study
MET	76 C	CAR/SAM ANP Requirements, Part VI, para. 8.	Nicaragua	There are deficiencies in the OPMET exchange.	16/01/04	Ensure that OPMET exchange is made in accordance with requirements of Tables MET 2 and MET 2A. Action plan: The operating data exchange is given in a quick and dynamic way due to the new system of fiber optic that was installed in the last semester 2003.	States	TBD	
MET Saint Vincent and the G./San Vicente y las Granadinas									
MET	79 C	Adequate number of MET trained staff.	Saint Vincent	There are requirements of specialized meteorology personnel in the aeronautical meteorology field and of an increase of the number of aeronautical meteorologists.	05/02/04	Upgrade training to senior and junior members of staff and increase the number of personnel.	State	Corrected	

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE CAR REGION

Identification				Deficiencies	Action Plan				
Requirements			States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET Trinidad and Tobago/Trinidad y Tabago									
MET	43 C	CAR/SAM ANP MET Requirements, Table AOP 1.	Trinidad and Tobago	RVR have not been implemented.	10/12/03	As stated in an earlier document, the Trinidad and Tobago Meteorological Service will not be installing Runway Visual Range equipment in Trinidad and Tobago, due to the low frequency of limiting visibility. The Civil Aviation Authority is advised that the "Supplement in respect of the provisions of Trinidad and Tobabo be amended"	State	06/04	
MET	78 C	CAR/SAM ANP Requirements, Part VI, para. 8.	Trinidad and Tobago	There are deficiencies in the OPMET exchange.	10/12/03	The Trinidad and Tobago Meteorological Service transmits, via the AFTN, all observations and SIGMETs. TAFs are transmitted via the International Satellite Communications System (ISCS). However, there have been many occasions when observations reaches the addressees in the Eastern Caribbean only, because there is a problem in Atlanta of which we are not made aware. If all our transmissions are sent via the ISCS, CAA will not receive any transmissions from us because your are not on the ISCS.	State	TBD	
MET	57 C	CAR/SAM ANP, Part VI, Meteorology, para. 3.	Trinidad and Tobago	Do not transmit regularly the special AIREPs in accordance with requirements.	10/12/03	Disseminate air notifications to required locations in accordance with the Table MET 2A requirements. Action plan: The Meteorological Service has not received an AIREP message during the past four (4) years at least from Civil Aviation. Therefore we are unable to transmit these messages.	State	03/04	

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies	Action Plan				
Requirements			States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET Argentina									
MET	53 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAEZ, SACO, SAZM, SARE and SAME have not been implemented.	02/08/06	Installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2006/2007	
MET	76 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAZS, SARI y SAWH have not been implemented.	02/08/06	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2008	Waiting for the assignment of the corresponding financial resources.
MET	77 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SASA, SAZN SARP have not been implemented.	02/08/06	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2009	Waiting for the assignment of the corresponding financial resources.
MET	78 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SASJ, SAWG, SANT have not been implemented.	02/08/06	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2010	Waiting for the assignment of the corresponding financial resources.
MET	79 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAWE, SAVC, SARF have not been implemented.	02/08/06	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2011	Waiting for the assignment of the corresponding financial resources.
MET Bolivia									
MET	30 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Bolivia / Aerodrome meteorological offices and meteorological watch office (MWO) of La Paz	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49. MET Technical personnel is complying functions of professional meteorologists.		They have one place reserved in 2005 for the MET international course in the INM of Spain (Meteorological Technician Higher Level) (AASANA/2007). The complementation of the carreer for Meteorologists and MET Technicians Higher Level is being arranged in the San Simon University of Cochabamba (AASANA 2009). A study programme for the course of MET Technician Higher Level is being developed at INAC (AASANA 2007).	AASANA	TBD	
MET	41 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, chapter 4, Recommendation 4. 6.3.2]	Bolivia / Aeronautical MET stations	RVRs SLVR and SLTR have not been implemented or are not operational.			AASANA	TBD	In accordance with statistics of number of day with visibility lower than 2000 m. (2 days per year) it has been detemrined not to install the SLCB RVR.

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies	Action Plan				
		Requirements	States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET Brasil									
MET	73 S	Notify the RVR for CAR III operations [Annex 3, Chapter 4, Standards: 4.6.3.1 and 4.6.3.4 c)]	Brazil, Runway visual range	The RVR of SBCT have not been implemented			DECEA	TBD	
MET	74 S	Notify the RVR for CAR III operations [Annex 3, Chapter 4, Standards: 4.6.3.1 and 4.6.3.4 c)]	Runway visual range	The RVR of SBBR and SBCG have not been implemented			DECEA	TBD	
MET Chile									
MET	75 S	Notify the RVR for CAT I Operations (Annex 3, Chapter 4, Rec. 4.6.3.2)	Chile, transmisometer	The RVR of SCIE SCCI have not been implemented.		To plan the acquisition of the transmisometer or forward-scatter meter for SCCI aerodrome.	DGCA in coordination with the MET authority	2006 TBD	
MET Colombia									
MET	32 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Colombia / Aerodrome meteorological offices and meteorological watch office (MWO) of Bogotá	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49, MET Class IV personnel is carrying out functions of MET Class II personnel.		In consultancy process, through TDA; through which alternatives for the solution to this problem are expected.	UAEAC	TBD	
MET	42 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Recommendation 4.6.3.2]	Colombia / Aerodrome meteorological stations	RVRs SKBQ, SKCG and SKLT have not been implemented or are not operational.	2004	SKBQ RVR in repairment process; SKCG RVR will be acquired; SKRG RVR in repairment process.	UAEAC	11/05;10/06;07	

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies	Action Plan				
		Requirements	States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET Ecuador									
MET	33 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Ecuador / Aerodrome meteorological offices and meteorological watch office (MWO) of Guayaquil	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	2003	Training programmes at national and international level are being carried out to have the specialized aeronautical meteorology personnel required.	DGAC	2007	
MET	43 S	Notify the RVR for CAT 1 operations [(Annex 3, Parte I, chapter 4, Recommendation 4.6.3.2]	Ecuador / Aeronautical meteorological stations	RVRs SEGU and SEQU have not been implemented or are not operational.			DGAC	TBD	
MET Guyana									
MET	34 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Guyana / Aerodrome meteorological office and meteorological watch office (MWO) of Georgetown	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.			GCAA in coordination with National MET Service	TBD	
MET	44 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, chapter 4, Recommendation 4.7.4 a)]	Guyana / Georgetown aeronautical meteorological station	RVRs SYCJ is not operational.			GCAA in coordination with Natl. MET Service	TBD	
MET	61 S	Requirements for communications, Annex 3, Part I, standard 11.1.1	Guyana, COM dependency				CAA in coordination with the Hydromet Service	TBD	
MET	56 S	Surface wind, Annex 3, Part II, standard 4.1.2.1)	Guyana COM Dependency	Displays of surface wind in ATS units corresponds to wind sensor installed unde the control tower			CAA in coordination with Hydromet Service	TBD	

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ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies	Action Plan				
		Requirements	States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET Panama									
MET	35 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Panama / Aerodrome meteorological offices and meteorological watch offices (MWO) of Tocumen	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	2002	They are making efforts to use the resources of some projects to be implemented.	AAC	End of 2005	
MET Paraguay									
MET	36 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Paraguay / Aerodrome meteorological offices and meteorolgoical watch office (MWO)	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	2003	Capture graduated personnel, with Class II title, of the Asuncion National University, who have the minimum knowledge required to carry out the aeronautical meteorologist tasks.	DINAC	2007	
MET	45 S	Notify the RVR for CAT 1 operations (Annex 3, Part I, Chapter 4, Recommendation 4.6.3.2)	Paraguay / aeronautical meteorological stations	RVRs SGAS and SGES are installed but not in operation.	2003	The implementation of RVR SGAS is foreseen for December 2005 and the RVR SGES for August 2006.	DINAC	Aug 2006	
MET Peru									
MET	46 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, para. 4.7.4 a)]	Peru / Aeronautical meteorological stations	RVRs SPIM MID, SPQU, SPHI, SPRU, SPSO and SPTN have not been implemented.	2004	Lima TDZ and Cusco: 2001, Iquitos 2002, Arequipa 2004, Chiclayo and Trujillo 2006, Pisco and Tacna 2007. The RVR MID of Lima, December 2004.	CORPAC	2007	
MET	63 S	Runway visual range (Annex 3, Part I, Chap. 4, standard 4.6.3.4) FASIC Table AOP 1 (CAR/SAM III-AOP 1-39)	Aerodrome meteorological station of Lima-Callao	No runway visual range assessments are made in the middle point.	2004	The RVR will be transferred from the runway end to the middle point.		2005	

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification			Deficiencies	Action Plan				
Requirements			States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET	62 S	WMO requirements regarding qualifications and training of MET personnel (Annex 3, Part I, Chapter 2, standard 2.1.15)	Peru, MWO and Aerodrome MET Office of Lima-Callao	Meteorological technicians (Classes III and IV) are making MET forecasts and developing supervisory functions.	2004	Rotation of the corresponding charges.	CORPAC	2005	
MET Suriname									
MET	38 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Suriname / Aerodrome meteorological offices and meteorological watch office (MWO) of Paramaribo	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.			NCAA in coordination with the MET Centre	TBD	
MET	21 S	Exchange of OPMET information (CAR/SAM FASID para. 35 to 39)	Suriname / Aeronautical meteorological stations and meteorological watch office (MWO) of Paramaribo	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.			NCAA in coordination with the MET Centre		
MET	7 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.8)	Suriname / ATS Units	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies.			CAA		
MET	47 S	Report the RVR for CAT 1 operations (Annex 3, Part I, Chapter 4, Recommendation 6.3.2)	Suriname / Aeronautical meteorological stations	SMJP RVRs of Zandery - SMJP have not been implemented.			DCA	TBD	
MET	64 S	Requirements for communications, Annex 3, Part I, standard 11.1.1	Suriname COM unit				NCAA in coordination with the Guyana Hidromet Serv	TBD	
MET	58 S	SIGMET information (Annex 3, Part I, Chapter 7, standard 7.1.1)	Suriname Aerodrome MET Offices and MET Watch Office (MWO of Paramaribo	SIGMETs have not been prepared			The NCAA in coordination with the MET Centre	TBD	

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies	Action Plan				
Requirements			States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET	59 S	Surface wind, Annex 3, Part II, standard 4.1.2.1	Suriname COM Dependency	Displays of surface wind in ATS units correspond to wind sensor installed at the top of the TWR			NCAA in coordination with the Hydromet Centre	TBD	
MET Uruguay									
MET	71 S	Clouds watch and report (Annex 3, Part I, Chapter 4, standard 4.9.3)	Uruguay, aeronautical meteorological stations	Instrument systems to measure clouds base altitude have not been implemented in SUMU.		Coordination DINACIA / Consorcio Puerta del Sol / DNM. Cloud base measurement equipment was installed. Standardization is lacking.	DINACIA / Consorcio Puerta del Sol / DNM	End 2006	
MET	39 S	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard 2.1.5)	Uruguay / Meteorological Watch Offices	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.		Implemented by the DNM - Coordinate with DINACIA/Instituto de Adiestramiento Aeronáutico.	DINACIA / DNM	Dec 2004	
MET	22 S	Exchange of OPMET information (FASID CAR/SAM para. 35 to 39)	Uruguay / Aeronautical meteorological stations and meteorological watch offices (MWO)	OPMET information is not being disseminated in accordance with the requirements of CAR/SAM FASID Tables MET 2A and MET 2B.		Coordination between COM/MET. Implementation of SIGMET guide training.	COM/MET - WMO	30/09/04-Dic/04	
MET	48 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, standard 4.6.3.2]	Uruguay / Aeronautical meteorological stations	RVRs of SUMU have not been implemented.		Coordination DINACIA / Consorcio Puerta del Sur / DNM	DINACIA / Consorcio Puerta del Sur / DNM	May 2005	
MET	8 S	Relay of air-reports by ATS units (Annex 3, Part I, Chapter 5, standard 5.9)	Uruguay / ATS Dependencies	ATS dependencies do not transmit regularly all special AIREPs to MET dependencies		ATS/MET Coordination was adjusted	DCA (Air Navigation)/MWO	30 Set 2004	
MET Venezuela									
MET	68 S	Exchange of OPMET information (CAR/SAM ANP Basic, paras. 35 to 39)	Venezuela, Caracs MWO and MET offices	MET offices do not have direct access to AFTN			INAC in coordination with the SMN	TBD	

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE SAM REGION

Identification				Deficiencies	Action Plan				
Requirements			States/facilities	Description	Date of presentation	Corrective Action	Executing Body	Date of correction	Difficulties Encountered
MET	67 S	FASID Table AOP 1 (CAR/SAM III-AOP 1-39)	Venezuela, Barcelona, Caracas, Maracaibo and Margarita	RVR assessments have not been implemented.		Plan the acquisition of the required instruments.	INAC in coordination with the SMN	TBD	
MET	69 S	Flight documentation (Annex 3, Part I, Recommendation 9.4.1)	Venezuela, MET Office Caracas	Is not in accordance with Annex 3.		Implement the Recommendations of the mission carried out on Dec. 2004.	INAC in coordination with SMN	2nd quart. 2006	
MET	70 S	MET stations and obs. (Annex 3, Part I, standard 4.1.1)	Venezuela, MET Office Maracaibo	IATA informs that all MET information is inappropriate.		Implement the Recommendations of the mission carried out in Dec. 2004.	INAC in coordination with SMN	TBD	
MET	49 S	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, para. 6.3.2]	Venezuela / Aeronautical meteorological stations	The RVRs of SVBC, SVMI, SVMC and SVMG have not been implemented.			INAC in coordination with the Natl. MET Service	TBD	
MET	66 S	Ordinary remarks and reports (Annex 3, Part I, Chapter 4, standards 4.3.1 and 4.3.2)	Venezuela, Paraguana and Maracaibo	Does not have MET stations		Give priority to the installation of these stations with the VNEMETH Programme.	INAC in coordination with the SMN	TBD	
MET	65 S	WMO requirements regarding MET personnel qualifications and training (Annex 3, Part I, Chapter 2, standard 2.1.15)	Venezuela, Caracas WMO	Caracas MWO does not have the minimum personnel required for the provision of MET service		Implement recommended actions MET/05 and MET/06 of December 2004 mission.	INAC in coordination with SMN	2nd half 2006	

APPENDIX D

GREPECAS DECISION 13/91

DECISION 13/91 FOCAL POINTS FOR GANDD COORDINATION

That the CAR/SAM Regional Offices designate their respective focal points for coordinating the GANDD with the States/Territories/International Organizations, as follows: SAM Office, Mr. Arturo Martínez, am@lima.icao.int and NACC Office, Mr. Gabriel Meneses, gmeneses@mexico.icao.int.

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APPENDIX E

SPECIAL IMPLEMENTATION PROJECT FOR THE CAR REGION

ENHANCEMENT OF AERONAUTICAL METEOROLOGICAL SERVICE IN THE CAR REGION

Project: Missions to some States/Territories in the CAR Region and providing on-site assistance to the meteorological authorities in the implementation of the ICAO provisions on the meteorological service for international air navigation.

Objective: To eliminate deficiencies in the provision of meteorological service for international air navigation by the CAR States/Territories and to enhance the level of implementation of the Annex 3 SARPs and the regional facilities and services specified in the CAR/SAM ANP.

Estimated cost: US$ 12 000

1. **Need for the project**

1.1 Meteorological (MET) service for aviation in the CAR Region is of crucial importance for the safety of air transport operations, particularly with the advent of frequent tropical cyclones in that part of the region. However, it is noted with concern that MET deficiencies have persisted over a long period of time in several States/Territories. Although these deficiencies have been drawn to the attention of the States/Territories from time to time, there appears to be little or no attempt to eliminate these deficiencies, perhaps because of a lack of expertise in some cases. In recent years, frequent reports have been received from the users (IATA) regarding shortfalls of operational meteorological (OPMET) data from CAR States/Territories. At the same time, the available OPMET data (aviation routine weather reports (METAR), terminal area forecasts (TAF)) contain errors and discrepancies and, consequently, create problems for the users. Urgent measures are also needed to standardize the formats of the meteorological bulletins.

1.2 Providing assistance to CAR States/Territories through the regular programme missions is practically impossible due to budgetary constraints. Because of distances involved, representatives from MET authorities/providers of CAR States/Territories are usually unable to attend the regional MET meetings held in the different regions, such as the annual meetings of the GREPECAS Aeronautical Meteorology Subgroup, AERMETSG, due to the high travel costs associated with such attendance. As a result, the liaison with the MET authorities of the CAR States/Territories is particularly difficult.

1.3 The provision of MET services in the CAR Region is subject to bilateral and multilateral agreements among CAR States/Territories. However, information on such agreements is not always forwarded to the ICAO Regional Office and, therefore, we are not aware of the arrangements. These arrangements need to be reviewed and the regional air navigation plan (ANP) needs to be updated as appropriate.

2. **Scope of the Project**

2.1 The main objective of the SIP is to provide assistance to the MET authorities of CAR States/Territories to eliminate any deficiencies in the provision of meteorological service to international air navigation and to enhance the level of implementation of the Annex 3 SARPs and the regional facilities and

services specified in the CAR/SAM ANP. Special attention would be given to the standardization of the format of meteorological messages and bulletins by strictly following the formats set up by ICAO and the World Meteorological Organization (WMO).

2.2 The current arrangements for the provision of meteorological services by CAR States/Territories would be reviewed and a proposal for their enhancement and harmonization would be developed, as necessary. Specific advice would be provided on the improvement of the coordination between the MET authority/provider and the corresponding civil aviation administration, ATS providers and COM operators.

2.3 Deficiencies related to the use of the world area forecast system (WAFS) products, the provision of SIGMET service, and the content and quality of flight documentation would also be addressed. Specific problems related to means of communication would be studied with a view to providing advice on suitable technical solutions and alternatives.

2.4 Advantage should also be taken to explore the warning system in place for tsunamis to find out whether such a system could be of use for aerodrome warnings in this and other regions concerned.

3. Duration of the Project

3.1 The final format of the SIP would be decided after consultation with the States/Territories concerned. However, it is envisaged that an expert would visit some of these States/Territories and hold discussions on site, followed by a seminar for all States/Territories, hosted by one of the States/Territories concerned.

3.2 The duration of the SIP would be approximately six weeks.

4. Cost of the Project

4.1 The cost of the project, including travel, subsistence and miscellaneous expenses for one consultant, is estimated at US$ 12 000, based on an assumed salary at the P-5 level, Step 1.

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