



Agenda Item 2: Air Navigation Issues.
2.2 Air Navigation Deficiencies

**SPECIFIC AIR NAVIGATION PLANNING AND IMPLEMENTATION DEFICIENCIES IN
THE CENTRAL CARIBBEAN**

(Presented by the Secretariat)

Summary

This working paper presents updated information on the priority “A”, “B” and “U” air navigation deficiencies of the Central Caribbean States/Territories, in each of the air navigation fields, as well as on the action taken by States/Territories in resolving the aforementioned deficiencies.

1. Introduction

1.1 Based on the uniform methodology for the identification, assessment and reporting of Air Navigation deficiencies formulated and updated by the ICAO Council, the GREPECAS and its Contributory Bodies periodically review the status of implementation of the CAR/SAM Regional Air Navigation Plan, with a view to determining and evaluating the deficiencies in the air navigation fields within the CAR/SAM Regions.

1.2 In this regard, and following Decision 9/20 of GREPECAS/9 Meeting, the Aviation Safety Board (ASB), based on its terms of reference, has, at the six meetings it has held, evaluated, supervised and carried out follow-up action of deficiencies with a direct impact on safety and requiring urgent corrective actions, classified as “U”, in the air navigation fields in the CAR/SAM Regions and has developed appropriate action to contribute to their correction.

1.3 The GREPECAS, at its periodic meetings, reviews and takes appropriate action on the air navigation deficiencies classified as “A” (necessary for air navigation safety) and “B” (necessary for the regularity and efficiency of air navigation).

2. Discussion

2.1 Review of Air Navigation deficiencies is also the responsibility of aviation authorities. With regard to the Central Caribbean, the Central Caribbean Working Group reviews deficiencies at its annual meetings providing the appropriate input. It is incumbent on the Directors of Civil Aviation to take note of these deficiencies and carry out action to resolve them. The Directors are presented for this purpose, outstanding deficiencies in **Appendix A** and deficiencies where action plans for their correction have been submitted in accordance with GREPECAS Conclusion 13/92: *Action for resolving urgent Air Navigation Deficiencies* in **Appendix B** to this working paper. **Appendix C** contains information on those deficiencies corrected or eliminated.

2.2 When reviewing the Appendices to this working paper, the Meeting could note that not all C/CAR States/Territories have informed the ICAO Regional Office in Mexico on the Action Plans developed to correct the deficiencies in the air navigation fields. Within this context and considering the concern that the Air Navigation Commission, the ICAO Council and GREPECAS have repeatedly expressed on the many deficiencies and the time that these have persisted, from the first report, without action being taken for their correction, States/Territories that have not yet taken actions in this regard, are encouraged to implement GREPECAS Conclusion 13/92, by using the revised format for action plans for the resolution of regional air navigation deficiencies presented in **Appendix D**. Due note should also be taken by the civil aviation authorities on their responsibility under Article 28 of the Chicago Convention for providing safe, regular and efficient air navigation services.

3. Suggested action

3.1 The Directors of Civil Aviation of the Central Caribbean States and Territories are invited to:

- a) note the information contained in Appendices A, B, C and D to this working paper;
- b) carry out actions to correct the Air Navigation Deficiencies in their respective States/Territories, and
- c) submit appropriate Action Plans for the correction of their identified Air Navigation Deficiencies to the NACC Office by no later than **30 December 2006**.

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | Deficiencies | | | Corrective Action | | | | |
|------------------|-------|--|--|--|----------|---|--|--------------------|---------------------|---|
| Requirements | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action | |
| <div>Aruba</div> | | | | | | | | | | |
| AGA | 305 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4 - Rec. 9.4.3) | Aruba, ORANJESTAD, Reina Beatrix Int'l | Taxiway G at the western runway end, Taxiways A and B and some apron areas are in very poor condition, i.e. pavement bleeding, cracking, rutting, vegetation growth, open cable trenches, etc. | 01/2003 | ICAO Visit January 2003 | Repair and maintain taxiway and apron surfaces | Aruba | TBD | A |
| AIS | 122 C | Annex 15, Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Aruba | Pre- flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO. No action plan reported. | Need for effective implementation in the provision of pre-flight bulletins in all the designated aerodromes | State | TBD | A |
| AIS | 262 C | Annex 4 Chap. 7; Doc 8733 Basic ANP, Part VIII, Paras. 59 d) and 64 4); FASID Table AIS 6 | Aruba | Partial application of ICAO requirements for the production of En route Navigation Charts-ICAO. | 18/09/96 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Effective application of ICAO requirements for the production of En route chart-ICAO. | State | TBD | B |
| AIS | 107 C | Annex 15 Chap. 8; Doc. 8733 Basic ANP, Part VIII, Para. 25; FASID Tables AIS 1 and 2 | Aruba | Pre- flight information/(implementation of required AIS aerodrome units). | 18/09/96 | Records/files NACC RO. No action plan reported. | Need for effective implementation of required AIS aerodrome units. | State | TBD | A |
| AIS | 243 C | Annex 4 Chap. 13; Doc 8733 Basic ANP, Part VIII, Paras. 59 h) and 64 6); FASID Table AIS 6 | Aruba | Partial application of ICAO requirements for the production of Aerodrome/Heliport chart-ICAO | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for effective production of this series of aeronautical charts. | State | TBD | A |
| AIS | 96 C | Doc. 8733 Basic ANP, Part VIII, Paras. 9 to 12 | Aruba | Lack of highest priority for printing of AIS publications. | 18/09/96 | Records/files NACC RO; GREPECAS reports | Need to provide a higher priority for the printing of AIS publications | State | TBD | U |
| AIS | 328 C | Annex 15, Para. 3.2 Implementation of Quality System (QS) at the AIS. | Aruba | It is required the implementation of a quality system (QS); as well as, of the quality assurance and quality control procedures at the AIS/MAP | 2005 | Must be included in the Action Plan. | Relevante technical documentation and ruller are being prepared by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective. | State | 2007 | A |
| AIS | 69 C | Annex 15, Chapter 4, Paras. 4.2.8 and 4.3.4., Chapter 6; Doc 8733 Basic ANP Part VIII, Paras. 45 to 49 | Aruba | Lack of effective compliance with the AIRAC system requirement | 01/11/94 | Records/files NACC RO; GREPECAS reports. No action plan reported. | Need for an effective application of AIRAC requirements | State | TBD | A |
| AIS | 219 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Aruba | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for production of aeronautical charts of this series. | State | TBD | A |

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C/CAR/DCA/8
WP/04
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|--------------------|-------|--|---------------------------------------|--|---------------------|---|---|----------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AIS | 29 C | Annex 15, Para. 3.6.4; Annex 4, Para. 2.18; Doc. 8733, Basic ANP, Part VIII, Paras 50 to 58, FASID Table AIS 5 | Aruba | Implementation of the WGS-84 is on going | 01/01/98 | GREPECAS AIS/MAP Subgroup Survey to States | Need to implement the WGS-84 Geodetic System | State | 30/11/05 | U |
| AIS | 45 C | Annex 4, Para. 2.18; Doc. 8733 Basic ANP, Part VIII, Paras. 51 b) and 56 | Aruba | Production of aeronautical charts according to requirements of the WGS-84 System | 01/01/98 | Records/files in NACC RO. No action plan reported. | Need for production of aeronautical charts according to requirements. | State | TBD | A |
| CNS | 29 C | Surveillance Systems (Table CNS 4A) | Aruba/Reina Beatrix APP/Aruba's radar | Current radar deficiency of Aruba relates to replacement of antenna motor and substitution of wave-guide. | 06/00 | | Repair the radar. | Aruba | TBD | A |
| 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 | 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 | 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 |
| <div>Bahamas</div> | | | | | | | | | | |
| AGA | 320 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 9.4.21) | Bahamas, NASSAU, Nassau Int'l | Runway and taxiway markings are faded | 05/2002 | ICAO Visit May 2002 | Re-paint the runway and taxiway markings | Bahamas | TBD | U |
| AGA | 306 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.2.7.1) | Bahamas, NASSAU, Nassau Int'l | Runway 14/32 has no side stripe markings along part of its length | 05/2002 | ICAO Visit May 2002 | Provide side stripe markings on runways | Bahamas | TBD | U |
| AGA | 307 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.2.8.1) | Bahamas, NASSAU, Nassau Int'l | Taxiway “05/23” is not provided with centreline markings | 05/2002 | ICAO Visit May 2002 | Provide taxiway centreline markings on Taxiway “05/23” | Bahamas | TBD | A |

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C/CAR/DCA/8
WP/04
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| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AGA | 64 C | Rescue and Fire Fighting Service and Airport Emergency Planning (Annex 14, Vol. I, Chap. 9.1 & 9.2) | Bahamas, FREEPORT, Grand Bahama Intl | No RFFS facility with direct access to the runway is provided as required in Annex 14 , Vol. I Section 9.2.19, 22, 25 & 26) | 10/2000 | ICAO Visit October 2000 | Provide a RFFS facility with direct access to the runway | Bahamas | 03/2004 | U |
| AGA | 308 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.2.8.7) | Bahamas, NASSAU, Nassau Int'l | The apron taxilane 3 centreline marking has incorrect characteristics | 05/2002 | ICAO Visit May 2002 | Re-paint the apron taxilane 3 centreline markings | Bahamas | TBD | A |
| AGA | 309 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.2.9.3) | Bahamas, NASSAU, Nassau Int'l | Runway-holding position markings on some taxiways are incorrect in pattern | 05/2002 | ICAO Visit May 2002 | Verify the pattern of runway-holding position markings and correct where necessary | Bahamas | TBD | U |
| AGA | 311 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.5.1 & ANP FASID Table AOP1) | Bahamas, NASSAU, Nassau Int'l | Runway 27 is not provided with a visual approach slope indicator system | 05/2002 | ICAO Visit May 2002 | Provide a visual approach slope indicator system on Runway 27 | Bahamas | TBD | A |
| AGA | 315 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.4.1.1) | Bahamas, NASSAU, Nassau Int'l | Signs are not provided on Runway 09/27 | 05/2002 | ICAO Visit May 2002 | Provide signs for Runway 09/27 | Bahamas | TBD | A |
| AGA | 312 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.10.9 & 5.3.11.4) | Bahamas, NASSAU, Nassau Int'l | Runway threshold and end lights were observed to be white at one runway end | 05/2002 | ICAO Visit May 2002 | Verify the colour of all airfield lighting and replace with lights of correct colour where necessary | Bahamas | TBD | U |
| AGA | 59 C | Fencing (Annex 14, Vol. I, Chap. 8.4) | Bahamas, NORTH ELEUTHERA, North Eleuthera | Access of vehicles and animals to the manoeuvring area | 1999 | IFALPA Meeting November 2000 | Repair the fence. Implement security measures | Bahamas | 31/10/02 | U |
| AGA | 319 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4 - 9.4.3 & 9) | Bahamas, NASSAU, Nassau Int'l | The pavement surfaces on some aprons, taxiways and shoulders are in poor condition with irregularities and FOD | 05/2002 | ICAO Visit May 2002 | Upgrade the taxiway and apron pavements and shoulders | Bahamas | TBD | A |
| AGA | 313 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.14.1) | Bahamas, NASSAU, Nassau Int'l | Stopway lights are not provided at both ends of Runway 14/32 | 05/2002 | ICAO Visit May 2002 | Provide stopway lights or do not declare stopways and reduce Runway 14/32 ASDA declared distances | Bahamas | TBD | A |
| AGA | 318 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4 - 9.4.3, 4 & 10) | Bahamas, NASSAU, Nassau Int'l | The runway pavement surfaces are in very poor condition with irregularities, FOD and rubber deposits (Runway 14/32 is in worse condition than Runway 09/27) | 05/2002 | ICAO Visit May 2002 | Upgrade the runway pavements | Bahamas | TBD | U |
| AGA | 314 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.16.1) | Bahamas, NASSAU, Nassau Int'l | Some taxiways and parts of taxiways are not provided with taxiway edge lights | 05/2002 | ICAO Visit May 2002 | Provide taxiway edge lights on all taxiways used at night | Bahamas | TBD | A |
| AGA | 317 C | Rescue and Fire Fighting (Annex 14, Vol. I, Chap. 9.1 & 2 - 9.2.30) | Bahamas, NASSAU, Nassau Int'l | Fire station does not have direct access to the runways | 05/2002 | ICAO Visit May 2002 | Provide the fire station with direct access to the runways | Bahamas | TBD | A |

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C/CAR/DCA/8
WP/04
Appendix A

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| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AGA | 316 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 7.3.1) | Bahamas, NASSAU, Nassau Int'l | Chevron markings are not provided on the pre-threshold paved areas on both runways | 05/2002 | ICAO Visit May 2002 | Provide chevron markings on pre-threshold paved areas on both runways | Bahamas | TBD | A |
| AGA | 310 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.2.13.1) | Bahamas, NASSAU, Nassau Int'l | Apron safety line markings are not provided | 05/2002 | ICAO Visit May 2002 | Provide apron safety line markings | Bahamas | TBD | A |
| AGA | 36 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Bahamas, FREEPORT, Grand Bahama Intl | No approach lighting systems are provided as required in the CAR/SAM ANP FASID and Annex 14 Vol. I Section 5.3.4.1 | 10/2000 | ICAO Visit October 2000 | Provide approach lighting systems | Bahamas | 09/2004 | A |
| AGA | 39 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Bahamas, NASSAU, Nassau Intl. | RWY and TWY markings missing or faded | 1996 | ICAO Visit October 2000 and May 2002 IFALPA Meeting November 2000 | Require re-painting | Bahamas | 2003 | U |
| AIS | 7 C | Annex 15, Chap. 4, Para. 4.2.9; Doc. 8733, Basic ANP, Part VIII, Paras 33 to 37 | Bahamas | Lack of regular and effective updating of the AIP Document | 24/10/00 | GREPECAS AIS/MAP Subgroup | Need to keep updated the information/data contained in the AIP | State | TBD | U |
| AIS | 97 C | Doc. 8733 Basic ANP, Part VIII, Paras. 9 to 12 | Bahamas | Lack of highest priority for printing of AIS publications. | 18/09/96 | Records/files NACC RO; GREPECAS reports | Need to provide a higher priority for the printing of AIS publications | State | TBD | U |
| AIS | 245 C | Annex 4 Chap. 13; Doc 8733 Basic ANP, Part VIII, Paras. 59 h) and 64 6); FASID Table AIS 6 | Bahamas | Partial application of ICAO requirements for the production of Aerodrome/Heliport chart-ICAO | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for effective production of this series of aeronautical charts. | State | TBD | A |
| AIS | 30 C | Annex 15, Para. 3.6.4; Annex 4, Para. 2.18; Doc. 8733, Basic ANP, Part VIII, Paras 50 to 58, FASID Table AIS 5 | Bahamas | Implementation of the WGS-84 is on going | 01/01/98 | GREPECAS AIS/MAP Subgroup Survey to States | Need to implement the WGS-84 Geodetic System | State | 30/11/05 | U |
| AIS | 17 C | Annex 15, Chapter 3, Paras. 3.1.5 and 3.1.6; Chapter 5, Paras. 5.1.1.1 and Sec. 5.3 | Bahamas | Timely distribution of the information through NOTAM | 25/10/00 | GREPECAS AIS/MAP Subgroup | Need to disseminate on time all operational information through NOTAM | State | TBD | U |
| AIS | 70 C | Annex 15, Chapter 4, Paras. 4.2.8 and 4.3.4., Chapter 6; Doc 8733 Basic ANP Part VIII, Paras. 45 to 49 | Bahamas | Lack of effective compliance with the AIRAC system requirement | 01/11/94 | Records/files NACC RO; GREPECAS reports. No action plan reported. | Corrected. | State | TBD | A |
| AIS | 123 C | Annex 15, Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Bahamas | Pre-flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO. No action plan reported. No action plan reported. | Need for effective implementation in the provision of pre-flight bulletins in all the designated aerodromes | State | TBD | A |

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C/CAR/DCA/8
WP/04
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| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AIS | 313 C | Annex 15, Para. 3.2 Implementation of Quality System (QS) at the AIS. | Bahamas | It is required the implementation of a quality system (QS); as well as, of the quality assurance and quality control procedures at the AIS/MAP | 2005 | Must be included in the Action Plan. | Relevante technical documentation and rullles are being prepared by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective. | State | 2007 | A |
| AIS | 220 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Bahamas | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for production of aeronautical charts of this series. | State | TBD | A |
| ATM | 18 C | Use of the aeronautical phraseology | Bahamas | In general, the use of aeronautical phraseology in English does not meet the required levels and it is a relevant factor with regard to ATS incidents. | Sept./2000 | ATS/SG/9, RO ATM/SAR mission in April 2005. | Continuous training and supervision in the use of aeronautical phraseology is required, in accordance with what is stated in Doc 4444 PANS-ATM. Bahamas is implementing the ICAO SARPs. | CAA Bahamas | 2006 | U |
| CNS | 49 C | Radio Navigation Aids (Table CNS 3) VOR/DME West End | Bahamas/West End | The VOR/DME stations is recommended in the FASID, but it is not implemented. | 01/2004 | | This station is recommended for the West End Intl. Airport, Grand Bahamas Island. | Bahamas | TBD | B |
| CNS | 24 C | Radio Navigation Aids (Table CNS 3) - ILS Cat. I Runway 14 | Bahamas/Freeport Intl. | This ILS is not in service. | | The facility was recommended for final approach and landing. | Bahamas plans to replace the ILS. | Bahamas | 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 |
| 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 |

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C/CAR/DCA/8
WP/04
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| <div>Belize/Belice</div> | | | | | | | | | | |
| CNS | 57 C | ATS speech circuits plan (Table CNS 1C) Belize APP - Merida ACC | Belize and Mexico | The circuit is out of service since 1 June 2003. | 06/2003 | Informed during the CA/ANE/WG/3 Meeting and reported by the DCA of Belize. | To implement a direct circuit to establish communications in 15 seconds. | Mexico and Belize | TBD | A |
| <div>Dominican Republic/República Dominicana</div> | | | | | | | | | | |
| AGA | 45 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Dominican Republic, SANTO DOMINGO, Las Americas Intl | Runway markings faded | 05/2000 | ICAO Visit May 2000 | Repaint runway markings | Dominican Republic | 2005 | U |
| AIS | 127 C | Annex 15, Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Dominican Republic | Pre- flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO. Not included in the action plan. | Need for effective implementation in the provision of pre-flight bulletins in all the designated aerodromes | State | TBD | A |
| AIS | 316 C | Annex 15, Para. 3.2 Implementation of Quality System (QS) at the AIS. | Dominican Republic | It is required the implementation of a quality system (QS); as well as, of the quality assurance and quality control procedures at the AIS/MAP | 2005 | Must be included in the Action Plan. | Relevante technical documentation and rullles are being prepared by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective. | State | 2007 | A |
| <div>Haiti</div> | | | | | | | | | | |
| AGA | 68 C | Rescue and Fire Fighting Service and Airport Emergency Planning (Annex 14, Vol. I, Chap. 9.1 & 9.2) | Haiti, CAP HAITIEN, Cap Haitien Intl | RFFS deficient | 06/2000 | ICAO Visit June 2000 | Upgrade RFFS | Haiti | TBD | U |
| AGA | 29 C | Obstacles (Annex 14, Vol. I, Chap. 4) | Haiti, CAP HAITIEN, Cap Haitien Intl | Obstacles exist in the approach, take-off and transitional obstacle limitation surfaces | 06/2000 | ICAO Visit June 2000 | Eliminate obstacles | Haiti | TBD | U |
| AGA | 81 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4) | Haiti, PORT AU PRINCE, Port au Prince Intl | Runway surface pavement rubber deposit accumulation. | 06/2000 | ICAO Visit June 2000 | Remove rubber | Haiti | TBD | U |
| AGA | 82 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4) | Haiti, PORT AU PRINCE, Port au Prince Intl | Apron surface pavement irregularities. | 06/2000 | ICAO Visit June 2000 | Upgrade pavements | Haiti | TBD | A |
| AGA | 87 C | Bird Strike Hazards (Annex 14, Vol. I, Chap. 9.5) | Haiti, PORT AU PRINCE, Port au Prince Intl | Bird strikes reported | 03/2001 | IATA Report March 2001 | Undertake bird hazard assessment to identify mitigation measures | Haiti | TBD | U |

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C/CAR/DCA/8
WP/04
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| AGA | 7 C | Taxiway Parallel to Runway (ANP, Table AOP 1) | Haiti, PORT AU PRINCE, Port au Prince Intl | No parallel taxiway | 06/2000 | ICAO Visit June 2000 | Provide a full-length parallel taxiway | Haiti | | TBD | B |
| AGA | 69 C | Rescue and Fire Fighting Service and Airport Emergency Planning (Annex 14, Vol. I, Chap. 9.1 & 9.2) | Haiti, CAP HAITIEN, Cap Haitien Intl | No AEP | 06/2000 | ICAO Visit June 2000 | Prepare AEP and undertake emergency exercise | Haiti | | TBD | U |
| AGA | 52 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Haiti, CAP HAITIEN, Cap Haitien Intl | No PAPIs | 06/2000 | ICAO Visit June 2000 | Install PAPIs | Haiti | | TBD | A |
| AGA | 62 C | Fencing (Annex 14, Vol. I, Chap. 8.4) | Haiti, CAP HAITIEN, Cap Haitien Intl | No perimeter security barrier | 06/2000 | ICAO Visit June 2000 | Install perimeter security barrier | Haiti | | En proceso | U |
| AGA | 55 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Haiti, PORT AU PRINCE, Port au Prince Intl | No signs | 06/2000 | ICAO Visit June 2000 | Install signs | Haiti | | TBD | A |
| AGA | 54 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Haiti, PORT AU PRINCE, Port au Prince Intl | No approach lighting systems | 06/2000 | ICAO Visit June 2000 | Install approach lighting systems | Haiti | | TBD | A |
| AGA | 53 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Haiti, CAP HAITIEN, Cap Haitien Intl | No approach lighting system on Rwy 23 | 06/2000 | ICAO Visit June 2000 | Install approach lighting system | Haiti | | TBD | A |
| AIS | 320 C | Annex 15, Para. 3.2 Implementation of Quality System (QS) at the AIS. | Haiti | It is required the implementation of a quality system (QS); as well as, of the quality assurance and quality control procedures at the AIS/MAP | 2005 | Must be included in the Action Plan. | Relevante technical documentation and rullles are being prepared by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective. | State | | 2007 | A |
| AIS | 113 C | Annex 15 Chap. 8; Doc. 8733 Basic ANP, Part VIII, Para. 25; FASID Tables AIS 1 and 2 | Haiti | Pre- flight information/(implementation of required AIS aerodrome units). | 18/09/96 | Records/files NACC RO. No action plan reported. | Need for effective implementation of required AIS aerodrome units. | State | | TBD | A |
| AIS | 130 C | Annex 15. Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Haiti | Pre- flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO. No action plan reported. | Need for effective implementation in the provision of pre-flight bulletins in all the designated aerodromes | State | | TBD | A |
| AIS | 87 C | Doc. 8733 Basic ANP, Part VIII, Paras. 61 to 64, FASID Table AIS 7 | Haiti | Lack of production of the World Aeronautical Chart ICAO 1:1000 000 | 01/11/94 | Records/files NACC RO; GREPECAS report. No action plan reported. | Need for production of ICAO Aeronautical World Chart 1:1000,000 | State | | TBD | B |
| AIS | 149 C | Annex 4 Chap. 16 Append. 5. FASID Table AIS 7. | Haiti | Production of the world aeronautical charts-ICAO not according to the sheet layout index established for this series of chart. | 06/01/94 | Records/files in NACC R0; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for production of aeronautical charts according to the established requirements. | State | | TBD | B |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | | Corrective Action | | | |
|--------------------|------|--|---------------------------------------|---|---------------------|---|--|----------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| ATM | 5 C | Provision of Aerodrome Control Services | Haiti/Cap. Haitien Aerodrome | Aerodrome control services are not provided at Cap. Haitien Aerodrome | 4/05/98 | Mission to the State NACC Office | Aerodrome control services should be provided at Cap. Haitien | CAA Haiti | 2003 | A |
| 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 | 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 |
| 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 | 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 |
| <div>Jamaica</div> | | | | | | | | | | |
| AGA | 16 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3) | Jamaica, KINGSTON, Norman Manley Intl | Runway strip contains obstacles and does not comply with the specifications in Annex 14 Vol. I Section 3.3.6 | 10/2000 | ICAO Visit October 2000 | Remove obstacles in runway strip | Jamaica | TBD | A |
| AGA | 24 C | Runway End Safety Area (Annex 14, Vol. I, Chap. 3.4) | Jamaica, KINGSTON, Norman Manley Intl | No runway end safety areas are provided on both runway ends as specified in Annex 14 Vol I Section 3.4.1 | 10/2000 | ICAO Visit October 2000 | Provide runway end safety areas by extending the platform or reducing the declared distances | Jamaica | TBD | U |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | | Corrective Action | | | |
|----------------|-------|---|---------------------------------------|---|---------------------|---|---|----------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AGA | 25 C | Runway End Safety Area (Annex 14, Vol. I, Chap. 3.4) | Jamaica, MONTEGO BAY, Sangster Intl | No runway end safety area is provided on the western runway end as specified in Annex 14 Vol I Section 3.4.1 | 10/2000 | ICAO Visit October 2000 | Provide runway end safety area by extending the platform or reducing the declared distances | Jamaica | TBD | U |
| AGA | 17 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3) | Jamaica, MONTEGO BAY, Sangster Intl | Runway strip extension length on west runway end and width at both runway ends is less than specified in Annex 14 Vol. I Sections 3.3.2, 3 and 4 | 10/2000 | ICAO Visit October 2000 | Extend and widen runway strip or reduce runway declared distances | Jamaica | TBD | U |
| AGA | 15 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3) | Jamaica, KINGSTON, Norman Manley Intl | Runway strip extension length and width at both runway ends is less than specified in Annex 14 Vol. I Sections 3.3.2 and 4 | 10/2000 | ICAO Visit October 2000 | Extend and widen runway strip or reduce runway declared distances | Jamaica | TBD | U |
| AGA | 19 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3) | Jamaica, MONTEGO BAY, Sangster Intl | Runway graded strip contains ponds and does not comply with the specifications in Annex 14 Vol. I Section 3.3.16 | 10/2000 | ICAO Visit October 2000 | Remove ponds in runway strip | Jamaica | TBD | U |
| AGA | 5 C | Runway Geometry (Annex 14, Vol. I, Chap. 3.1 & 3.2) | Jamaica, MONTEGO BAY, Sangster Intl | Runway shoulders are not provided as specified in Annex 14, Vol. I, Section 3.2.1 | 10/2000 | ICAO Visit October 2000 | Provide runway shoulders during next runway upgrading | Jamaica | TBD | B |
| AGA | 33 C | Radio Aids (ANP, Table AOP 1) | Jamaica, KINGSTON, Norman Manley Intl | No ILS is provided on Runway 12 as required in the CAR/SAM ANP FASID | 10/2000 | ICAO Visit October 2000 IFALPA Meeting November 2000 | Provide for precision approach procedures on Runway 12 | Jamaica | TBD | A |
| AGA | 30 C | Obstacles (Annex 14, Vol. I, Chap. 4) | Jamaica, MONTEGO BAY, Sangster Intl | Tails of large aircraft parked on stands in front of terminal and obstacles north of the runway strip infringe on the transitional surfaces specified in Annex 14 Vol I Section 4.2.7 | 10/2000 | ICAO Visit October 2000 | Eliminate obstacles | Jamaica | 31/12/01 | A |
| AGA | 4 C | Runway Geometry (Annex 14, Vol. I, Chap. 3.1 & 3.2) | Jamaica, KINGSTON, Norman Manley Intl | The runway longitudinal slope exceeds the limits specified in Annex 14 Vol I Section 3.1.13 | 10/2000 | ICAO Visit October 2000 | Reduce the runway longitudinal slope during the next runway overlay | Jamaica | TBD | B |
| AGA | 18 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3) | Jamaica, MONTEGO BAY, Sangster Intl | Runway strip contains obstacles and does not comply with the specifications in Annex 14 Vol. I Section 3.3.6 | 10/2000 | ICAO Visit October 2000 | Remove obstacles in runway strip | Jamaica | TBD | A |
| AGA | 70 C | Rescue and Fire Fighting Service and Airport Emergency Planning (Annex 14, Vol. I, Chap. 9.1 & 9.2) | Jamaica, KINGSTON, Norman Manley Intl | No direct access is provided between the RFFS facility and the runway as specified in Annex 14, Vol. I Section 9.2.22 and 26) | 10/2000 | ICAO Visit October 2000 | Provide direct access link | Jamaica | TBD | A |
| AIS | 232 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Jamaica | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for production of aeronautical charts of this series. | State | TBD | A |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | | Corrective Action | | | |
|----------------|-------|--|---------------------------------------|--|---------------------|---|---|----------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AIS | 255 C | Annex 4 Chap. 13; Doc 8733 Basic ANP, Part VIII, Paras. 59 h) and 64 6); FASID Table AIS 6 | Jamaica | Partial application of ICAO requirements for the production of Aerodrome/Heliport chart-ICAO. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for effective production of this series of aeronautical charts. | State | TBD | A |
| AIS | 193 C | Annex 4 Chap. 11; Doc. 8733 Basic ANP, Part VIII, Paras. 59 i) and 64 5); FASID Table AIS 6 | Jamaica | Partial application of ICAO requirements for the production of Instrument approach charts. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for production of aeronautical charts of this series according to the ICAO specifications. | State | TBD | B |
| AIS | 322 C | Annex 15, Para. 3.2 Implementation of Quality System (QS) at the AIS. | Jamaica | It is required the implementation of a quality system (QS); as well as, of the quality assurance and quality control procedures at the AIS/MAP | 2005 | Must be included in the Action Plan. | Relevante technical documentation and rules are being prepared by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective. | State | 2007 | A |
| AIS | 59 C | Annex 4, Para. 2.18; Doc. 8733 Basic ANP, Part VIII, Paras. 51 b) and 56 | Jamaica | Production of aeronautical charts according to requirements of the WGS-84 System | 01/01/98 | Records/files in NACC RO. No action plan reported. | Need for production of aeronautical charts according to requirements. | State | TBD | A |
| AIS | 25 C | Annex 15, Chapter 3, Paras. 3.1.5 and 3.1.6; Chapter 5, Paras. 5.1.1.1 and Sec. 5.3 | Jamaica | Timely distribution of the information through NOTAM | 25/10/00 | GREPECAS AIS/MAP Subgroup | Need to disseminate on time all operational information through NOTAM | State | TBD | U |
| AIS | 39 C | Annex 15, Para. 3.6.4; Annex 4, Para. 2.18; Doc. 8733, Basic ANP, Part VIII, Paras 50 to 58, FASID Table AIS 5 | Jamaica | Lack of implementation of the WGS-84 | 01/01/98 | GREPECAS AIS/MAP Subgroup Survey to States | Need to implement the WGS-84 Geodetic System | State | 30/11/06 | U |
| AIS | 102 C | Doc. 8733 Basic ANP, Part VIII, Paras. 9 to 12 | Jamaica | Lack of highest priority for printing of AIS publications. | 18/09/96 | Records/files NACC RO; GREPECAS reports | Need to provide a higher priority for the printing of AIS publications | State | TBD | U |
| AIS | 14 C | Annex 15, Chap. 4, Para. 4.2.9; Doc. 8733, Basic ANP, Part VIII, Paras 36 to 37 | Jamaica | Lack of regular and effective updating of the AIP Document | 24/10/00 | GREPECAS AIS/MAP Subgroup | Need to keep updated the information/data contained in the AIP | State | TBD | U |
| ATM | 48 C | Contingency Plan. | Jamaica | There is no Contingency Plan for the Kingston FIR. | 04/05 | Observed during RO ATM's mission in April 2005. The CAA informed that a draft version is in progress. | Develop a Contingency Plan. | CAA Jamaica | 2005 | U |
| CNS | 26 C | Radio Navigation Aids (Table CNS 3) - ILS Cat I | Jamaica/Kingston/Norman Manley Int'l. | This ILS is not implemented. | | Jamaica informed that the ILS will be commissioned and in service for the Norman Manley International Airport in Kingston, Jamaica. | | Jamaica | TBD | A |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | Corrective Action | | | | |
|--|-------|--|---|--|---------------------|--|--|----------------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| 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 |
| 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 | 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 | 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 | 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 |
| Mexico | | | | | | | | | | |
| CNS | 56 C | ATS speech circuits plan (Table CNS 1C) Belize APP - Merida ACC | Belize and Mexico | The circuit is out of service since 1 June 2003. | 06/2003 | Informed during the CA/ANE/WG/3 Meeting and reported by the DCA of Belize. | To implement a direct circuit to establish communications in 15 seconds. | Mexico and Belize | TBD | A |
| Netherlands Antilles/Antillas Neerlandesas | | | | | | | | | | |
| AGA | 254 C | Obstacles (Annex 14, Vol. I, Chap. 4 - 4.2.12) | Netherlands Antilles, BONAIRE/ KRALENDIJK, Flamingo | Obstacles in the transitional surface include aircraft parked on the apron and buildings | 02/2002 | ICAO Visit February 2002 | Remove the obstacles | Netherlands Antilles | TBD | A |
| AGA | 253 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3 - 3.3.4) | Netherlands Antilles, BONAIRE/ KRALENDIJK, Flamingo | The runway strip width is inadequate for an instrument runway | 02/2002 | ICAO Visit February 2002 | Widen the runway strip | Netherlands Antilles | TBD | A |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | | Corrective Action | | | |
|----------------|-------|--|---|--|---------------------|--|---|----------------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AGA | 255 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.2.13.1) | Netherlands Antilles, BONAIRE/ KRALENDIJK, Flamingo | Apron safety line markings are not provided | 02/2002 | ICAO Visit February 2002 | Provide apron safety line markings | Netherlands Antilles | TBD | A |
| AGA | 256 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.5.1 and ANP FASID Table AOP1) | Netherlands Antilles, BONAIRE/ KRALENDIJK, Flamingo | A visual approach slope indicator system is not provided for Runway 28 | 02/2002 | ICAO Visit February 2002 | Provide a visual approach slope indicator system for Runway 28 | Netherlands Antilles | TBD | A |
| AGA | 257 C | Rescue and Fire Fighting (Annex 14, Vol. I, Chap. 9.1 & 2 - 9.1.1) | Netherlands Antilles, BONAIRE/ KRALENDIJK, Flamingo | The aerodrome emergency plan is not complete | 02/2002 | ICAO Visit February 2002 | Complete the aerodrome emergency plan | Netherlands Antilles | TBD | U |
| AGA | 258 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 9.4.21) | Netherlands Antilles, BONAIRE/ KRALENDIJK, Flamingo | Runway centreline markings are fading | 02/2002 | ICAO Visit February 2002 | Re-paint runway markings | Netherlands Antilles | TBD | U |
| AIS | 268 C | Annex 15, Chapter 4, Para. 4.2.9; Doc. 8733, ANP, Part VI, 3.2 | Netherlands Antilles | Lack of regular and effective updating of the AIP Document | 24/10/00 | GREPECAS AIS/MAP Subgroup | Need to keep updated the information/data contained in the AIP | State | TBD | U |
| AIS | 256 C | Annex 4 Chap. 13; Doc 8733 Basic ANP, Part VIII, Paras. 59 h) and 64 6); FASID Table AIS 6 | Netherlands Antilles | Partial application of ICAO requirements for the production of Aerodrome/Heliport chart-ICAO. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Need for effective production of this series of aeronautical charts. | State | TBD | A |
| AIS | 234 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Netherlands Antilles | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Need for production of aeronautical charts of this series. | State | TBD | A |
| AIS | 211 C | Annex 4 Chap. 3; Doc. 8733 Basic ANP, Part VIII, Paras. 59 a) and 64 1); FASID Table AIS 6 | Netherlands Antilles | Partial application of ICAO requirements for the production of Aerodrome obstacle chart-ICAO Type A. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Need for effective production of aeronautical charts of this series according to the ICAO specifications. | State | TBD | U |
| AIS | 195 C | Annex 4Chap. 11; Doc. 8733 Basic ANP, Part VIII, Paras. 59 i) and 64 5); FASID Table AIS 6 | Netherlands Antilles | Partial application of ICAO requirements for the production of Instrument approach charts. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Need for production of aeronautical charts of this series according to the ICAO specifications. | State | TBD | B |
| AIS | 61 C | Annex 4, Para. 2.18; Doc. 8733 Basic ANP, Part VIII, Paras. 51 b) and 56 | Netherlands Antilles | Production of aeronautical charts according to requirements of the WGS-84 System | 01/01/98 | Records/files in NACC RO. | Need for production of aeronautical charts according to requirements. | State | TBD | A |
| AIS | 266 C | Annex 4 Chap. 7; Doc 8733 Basic ANP, Part VIII, Paras. 59 d) and 64 4); FASID Table AIS 6 | Netherlands Antilles | Partial application of ICAO requirements for the production of En route Navigation Charts-ICAO. | 18/09/96 | Records/files in NACC RO. GREPECAS and AIS/MAP/SG reports. | Effective application of ICAO requirements for the production of En route chart-ICAO. | State | TBD | B |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | Deficiencies | | | Corrective Action | | | | |
|----------------|-------|--|---|---|---------------------|--|---|-----------------------------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AIS | 79 C | Annex 15, Chapter 4, Paras. 4.2.8 and 4.3.4., Chapter 6; Doc 8733 Basic ANP Part VIII, Paras. 45 to 49 | Netherlands Antilles | Lack of effective compliance with the AIRAC system requirement | 01/11/94 | Records/files NACC RO; GREPECAS reports. No action plan reported. | Need for an effective application of AIRAC requirements | State | TBD | A |
| AIS | 330 C | Annex 15, Para. 3.2 Implementation of Quality System (QS) at the AIS. | Netherlands Antilles | It is required the implementation of a quality system (QS); as well as, of the quality assurance and quality control procedures at the AIS/MAP | 2005 | Must be included in the Action Plan. | Relevante technical documentation and rullles are being prepared by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective. | State | 2007 | A |
| AIS | 134 C | Annex 15. Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Netherlands Antilles | Pre- flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO; | Need for effective implementation in the provision of pre-flight bulletins in all the designated aerodromes | State | TBD | A |
| AIS | 41 C | Annex 15, Para. 3.6.4; Annex 4, Para. 2.18; Doc. 8733, Basic ANP, Part VIII, Paras 50 to 58, FASID Table AIS 5 | Netherlands Antilles | Lack of implementation of the WGS-84 | 01/01/98 | GREPECAS AIS/MAP Subgroup Survey to States | Need to implement the WGS-84 Geodetic System | State | 30/11/04 | U |
| AIS | 104 C | Doc. 8733 Basic ANP, Part VIII, Paras. 9 to 12 | Netherlands Antilles | Lack of highest priority for printing of AIS publications. | 18/09/96 | Records/files NACC RO; GREPECAS reports | Need to provide a higher priority for the printing of AIS publications | State | TBD | U |
| CNS | 51 C | ATS Speech Circuits Plan (Table CNS 1C) Curaçao ACC-Baranquilla ACC | Neetherland Antilles and Colombia | Due to a broken down the circuit was discontinued and the impossibility to replace the Curaçao terminal equipment. For this, the IDD is use. | 03/2003 | Informed in the C/CAR WG/3 Meeting | To install temporarily a VSAT station of the Colombian network in Curaçao. Implement in a medium-term this circuit through a MEVA II and REDDIG interconnection | Neetherland Antilles and Colombia | TBD | A |
| CNS | 28 C | Radio Navigation Aids (Table CNS 3) - VOR/DME | Netherlands Antilles/Willemstad/Hato, Curacao | The VOR and the DME are implemented, but the VOR is disabled due to close construction. | 02/99 | The facility was recommended for en-route, navigation, terminal area and approach and landing. | There are plans in the Netherlands Antilles to replace this facility by a new VOR/DME. | Netherlands Antilles | TBD | A |
| CNS | 23 C | Radio Navigation Aids (Table CNS 3) - VOR/DME ABA | Netherlands Antilles | DME in bad conditions, and the VOR and DME need to be replaced. VOR/DME ABA is installed in Aruba/Reina Beatrix Intl., but is the responsibility of Netherlands Antilles. | 06/00 | | VOR DME equipment need to be replaced. | Netherlands Antilles | TBD | A |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | Corrective Action | | | | |
|--|-------|--|---|--|---------------------|---|--|----------------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| CNS | 27 C | Radio Navigation Aids (Table CNS 3) - ILS Cat. I | Netherlands Antilles/Philipsburg/Princess Juliana, St. Maarten I. | This ILS is not implemented. | 02/99 | The facility was recommended for final approach and landing. | Netherlands Antilles plans to implement the ILS or GNSS Cat I system should be updated. | Netherlands Antilles | 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 | 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 | 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 |
| <div><div>Turks and Caicos/Islas Turcas y Caicos</div></div> | | | | | | | | | | |
| AIS | 306 C | Annex 4Chap. 11; Doc. 8733 Basic ANP, Part VIII, Paras. 59 i) and 64 5); FASID Table AIS 6 | Turks and Caicos Islands | Partial application of ICAO requirements for the production of Instrument approach charts. | 06/01/94 | Records/files in NACC R0; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for production of aeronautical charts of this series according to the ICAO specifications. | State | TBD | B |
| AIS | 67 C | Annex 4, Para. 2.18; Doc. 8733 Basic ANP, Part VIII, Paras. 51 b) and 56 | Turks and Caicos Islands | Production of aeronautical charts according to requirements of the WGS-84 System | 01/01/98 | Records/files in NACC RO. No action plan reported. | Need for production of aeronautical charts according to requirements. | State | TBD | A |
| AIS | 80 C | Annex 15, Chapter 4, Paras. 4.2.8 and 4.3.4., Chapter 6; Doc 8733 Basic ANP Part VIII, Paras. 45 to 49 | Turks and Caicos Islands | Lack of effective compliance with the AIRAC system requirement | 01/11/94 | Records/files NACC RO; GREPECAS reports. No action plan reported. | Need for an effective application of AIRAC requirements | State | TBD | A |
| AIS | 90 C | Doc. 8733 Basic ANP, Part VIII, Paras. 61 to 64, FASID Table AIS 7 | Turks and Caicos Islands | Lack of production of the World Aeronautical Chart ICAO 1:1000 000 | 01/11/94 | Records/files NACC RO; GREPECAS reports. No action plan reported. | Need for production of ICAO Aeronautical World Chart 1:1000,000 | State | TBD | B |
| AIS | 261 C | Annex 4 Chap. 13; Doc 8733 Basic ANP, Part VIII, Paras. 59 h) and 64 6); FASID Table AIS 6 | Turks and Caicos Islands | Partial application of ICAO requirements for the production of Aerodrome/Heliport chart-ICAO. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for effective production of this series of aeronautical charts. | State | TBD | A |

OUTSTANDING DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix A

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | | Corrective Action | | | |
|----------------|-------|---|--------------------------|--|---------------------|---|---|----------------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| AIS | 240 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Turks and Caicos Islands | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. No action plan reported. | Need for production of aeronautical charts of this series. | State | TBD | A |
| AIS | 105 C | Doc. 8733 Basic ANP, Part VIII, Paras. 9 to 12 | Turks and Caicos Islands | Lack of highest priority for printing of AIS publications. | 18/09/96 | Records/files NACC RO; GREPECAS reports | Need to provide a higher priority for the printing of AIS publications | State | TBD | U |
| AIS | 28 C | Annex 15, Chapter 3, Paras. 3.1.5 and 3.1.6; Chapter 5, Paras. 5.1.1.1 and Sec. 5.3 | Turks and Caicos Islands | Timely distribution of the information through NOTAM | 25/10/00 | GREPECAS AIS/MAP Subgroup | Need to disseminate on time all operational information through NOTAM | State | TBD | U |
| AIS | 331 C | Annex 15, Para. 3.2 Implementation of Quality System (QS) at the AIS. | Turks and Caicos | It is required the implementation of a quality system (QS); as well as, of the quality assurance and quality control procedures at the AIS/MAP | 2005 | Must be included in the Action Plan. | Relevante technical documentation and rullles are being prepared by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective. | State | 2007 | A |
| AIS | 139 C | Annex 15. Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Turks and Caicos Islands | Pre- flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO. No action plan reported. | Need for effective implementation in the provision of pre-flight bulletins in all the designated aerodromes | State | TBD | A |
| ATM | 39 C | Use of the aeronautical phraseology | Turks and Caicos | In general, the use of aeronautical phraseology in English does not meet the required levels and it is a relevant factor with regard to ATS incidents. | Sept./2000 | ATS/SG/9 | Continuous training and supervision in the use of aeronautical phraseology is required. | CAA Turks and Caicos | 2003 | U |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | Action Plan | | | | |
|------------------|---|--|---|----------------------|--|-------------------------|--------------------|---|
| Requirements | | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |
| <div>Aruba</div> | | | | | | | | |
| AGA 301 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - Std 5.3.14.1) | Aruba, ORANJESTAD, Reina Beatrix Int'l | No stopway lights are provided at both runway ends | 10/06/2003 | Provide stopway lights or do not declare stopways and amend runway declared distances | Aruba Airport Authority | TBD | Compliance with the standard will have significant structural and financial implications on the infrastructure of the airport. Several factors such as land acquisition, construction in the sea and the impact here-of on the community demand extensive study to arrive at the final decisions. |
| AGA 302 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - Std. 7.1.1) | Aruba, ORANJESTAD, Reina Beatrix Int'l | No closed marking is provided on the eastern section of Taxiway F/D extension | 10/06/2003 | Provide closed marking for closed section of Taxiway F. Action Plan: Closed markings will be provided for closed section of Taxiway F. | Aruba Airport Authority | 6/2003 | |
| AGA 300 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - Std. 5.3.4.1.C & Doc. 8733 ANP FASID Table AOP1) | Aruba, ORANJESTAD, Reina Beatrix Int'l | A simple approach lighting system is provided on Runway 11 | 10/06/2003 | Provide a precision approach category I lighting system on Runway 11 | Aruba Airport Authority | TBD | Compliance with the standard will have significant structural and financial implications on the infrastructure of the airport. Several factors such as land acquisition, construction in the sea and the impact here-of on the community demand extensive study to arrive at the final decisions. |
| AGA 299 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - Std. 5.3.4.1.B) | Aruba, ORANJESTAD, Reina Beatrix Int'l | No approach lighting system is provided on Runway 29 | 10/06/2003 | Provide a simple approach lighting system on Runway 29 | Aruba Airport Authority | TBD | Compliance with the standard will have significant structural and financial implications on the infrastructure of the airport. Several factors such as land acquisition, construction in the sea and the impact here-of on the community demand extensive study to arrive at the final decisions. |
| AGA 298 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - Std. 5.2.8.1 & 3) | Aruba, ORANJESTAD, Reina Beatrix Int'l | Taxiway centreline marking to guide aircraft turning around at the east runway end is not provided | 10/06/2003 | Provide turn-around guidance centreline markings at the runway end. Action Plan: Turn-around guidance centerline marking at the east runway end will be provided. | Aruba Airport Authority | 6/2003 | |
| AGA 297 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - Std. 3.11.6) | Aruba, ORANJESTAD, Reina Beatrix Int'l | The runway-holding position on the south side of the runway is provided on the GA apron. The old runway-holding position markings on Taxiways D, E and F are no longer valid. | 10/06/2003 | Remove the disused runway-holding position markings on Taxiways D, E and F. Action Plan: The old runway-holding position markings on taxiways D, E and F will be removed. | Aruba Airport Authority | 6/2003 | |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | Action Plan | | | | |
|--------------------------------------|---|---|---|-------------------|---|-------------------------|--------------------------|---|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered | |
| AGA 296 C | Runway End Safety Area (Annex 14, Vol. I, Chap. 3.4 - Std. 3.4.1) | Aruba, ORANJESTAD, Reina Beatrix Int'l | No runway end safety areas are provided at both runway ends | 10/06/2003 | Provide runway end safety areas by not declaring stopways, extension and/or displacing the runway ends and reducing the runway declared distances. | Aruba Airport Authority | TBD | Compliance with the standard will have significant structural and financial implications on the infrastructure of the airport. Several factors such as land acquisition, construction in the sea and the impact here-of on the community demand extensive study to arrive at the final decisions. |
| AGA 303 C | Rescue and Fire Fighting (Annex 14, Vol. I, Chap. 9.1 & 2 - Std. 9.2.21 and Rec. 9.2.22, 30 & 31) | Aruba, ORANJESTAD, Reina Beatrix Int'l | RFFS response time was reported to be between 2.5 and 3 minutes. Furthermore, a test alarm from the control tower resulted in a 1.5 minute delay between alarm call and RFFS response | 10/06/2003 | Reduce the response time by providing direct access to runway. Improve the alarm system and procedures between the control tower and the RFFS control room and test regularly. Action Plan: Remarks forwarded to Chief Fire Services for comment. | Aruba Airport Authority | TBD | |
| Cayman Islands/Islas Caimanes | | | | | | | | |
| AGA 22 C | Runway End Safety Area (Annex 14, Vol. I, Chap. 3.4) | Cayman Islands, GRAND CAYMAN, Owen Roberts Intl | No runway end safety area is provided at the eastern runway end as specified in Annex 14 Vol I Section 3.4.1 | 25/03/2003 | Provide runway end safety areas by extending the platform or reducing the declared distances. Action Plan: Study of operational impact on reducing existing declared runway length to provide RESAs being carried out. Difference published in AIP. | Cayman Islands | TBD | |
| AGA 40 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Cayman Islands, GRAND CAYMAN, Owen Roberts Intl | No edge lights are provided on the runway end turn-around area as required in Annex 14 Vol. I Section 5.3.16.1 | 25/03/2003 | Provide edge lighting | Cayman Islands | 12/2003 | |
| AGA 43 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Cayman Islands, CAYMAN BRAC, Gerrard Smith Intl | No apron edge lights are provided - Ref. Annex 14 Vol. I Section 5.3.16.1 | 25/03/2003 | Provide apron edge lighting | Cayman Islands | 12/2003 | |
| AGA 73 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4) | Cayman Islands, GRAND CAYMAN, Owen Roberts Intl | GA apron pavement surface deficient - Ref. Annex 14 Vol. I Section 9.4 | 25/03/2003 | Upgrade apron pavement. Action Plan: Subject to airport master plan implementation date. | Cayman Islands | TBD | |
| AGA 26 C | Obstacles (Annex 14, Vol. I, Chap. 4) | Cayman Islands, GRAND CAYMAN, Owen Roberts Intl | Obstacles exist in the transitional obstacle limitation surface, including roads, housing, fencing, trees and the tails of aircraft parked on the aprons - Ref. Annex 14 Vol I Section 4.2.12 | 25/03/2003 | Eliminate obstacles by relocating facilities and during the next apron re-configuration. Action Plan: Obstacles lit. Trees removed where practicable. Information published in AIP. | Cayman Islands | 01/2001 | Land owner jurisdiction and insufficient enforcement regulations. |
| AGA 12 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3) | Cayman Islands, GRAND CAYMAN, Owen Roberts Intl | Runway strip length at the eastern runway end and does not comply with Annex 14 Vol. I Section 3.3.2 | 25/03/2003 | Extend the runway strip or reduce declared distances. Action Plan: Subject to airport master plan implementation date. Difference published in AIP. | Cayman Islands | TBD | |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | Action Plan | | | | |
|----------------|---|--|---|-------------------|---|--------------------|--------------------------|--|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered | |
| AGA 6 C | Taxiway Parallel to Runway (ANP, Table AOP 1) | Cayman Islands, GRAND CAYMAN, Owen Roberts Intl | No parallel taxiway | 25/03/2003 | Provide a full-length parallel taxiway Action Plan: Subject to airport master plan implementation date. Difference published in AIP. | Cayman Islands | TBD | |
| AGA 2 C | Runway Geometry (Annex 14, Vol. I, Chap. 3.1 & 3.2) | Cayman Islands, GRAND CAYMAN, Owen Roberts Intl | Runway shoulders are not provided as specified in Annex 14, Vol. I, Section 3.2.1 | 25/03/2003 | Provide runway shoulders during next runway upgrading. Action Plan: Subject to airport master plan implementation date. Difference published in AIP. | Cayman Islands | TBD | |
| AGA 42 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Cayman Islands, CAYMAN BRAC, Gerrard Smith Intl | No approach lighting is provided - Ref. Annex 14 Vol. I Section 5.3.4.1 | 25/03/2003 | Provide approach lighting system. Action Plan: REILS Installed. No date of correction is required, difference published in AIP. | Cayman Islands | TBD | Listed as non-instrument runway in ANP AOP Table. Installation of approach lighting not physically practicable. Insufficient terrain available to accommodate approach lighting system for main runway 09 due to proximity of runway threshold near sea. Low traffic volume with no regular night flights. Runway used in conditions of good visibility. Sufficient guidance provided by REILS, PAPIs and runway lights. |
| AGA 27 C | Obstacles (Annex 14, Vol. I, Chap. 4) | Cayman Islands, CAYMAN BRAC, Gerrard Smith Intl | Obstacles exist in the transitional obstacle limitation surface, including road, buildings and trees - Ref. Annex 14 Vol I Section 4.2.12 | 25/03/2003 | Eliminate obstacles by relocating facilities. Action Plan: Obstacles lit. Trees removed where practicable. Information published in AIP. | Cayman Islands | 01/2001 | Land owner jurisdiction and insufficient enforcement regulations. |
| AIS 222 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Cayman Islands | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 25/03/03 | Need for production of aeronautical charts of this series. Action Plan: Schedule to be completed Dec. 2003 | State | 12/03 | |
| AIS 84 C | Doc. 8733 Basic ANP, Part VIII, Paras. 61 to 64, FASID Table AIS 7 | Cayman Islands | Lack of production of the World Aeronautical Chart ICAO 1:1000 000 | 25/03/03 | Need for production of ICAO Aeronautical World Chart 1:1000,000 Action plan: schedule to be completed Dec. 2003 | State | TBD | |
| Cuba | | | | | | | | |
| AGA 135 C | Runway Strips (Annex 14, Vol. I, Chap. 3.3 - 3.10.3) | Cuba, VARADERO, Juan Gualberto Gómez International | There are manholes in the taxiway strips | 24/02/06 | To remove, lower or provide ramps around the manholes. Action Plan: To lower the height of manholes until the terrain level. | Cuba, ECASA | 06/2006 | |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | Action Plan | | | | |
|---|--|--|----------------------|--|----------------|--------------------|---|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |
| AGA 132 C Runway Strips (Annex 14, Vol. I, Cap. 3.3 - 3.3.3 & 6) | Cuba, HABANA, José Martí International | The runway strip width is insufficient in the southeast area of the runway close to Terminal 1 and the Runway 24 threshold | 24/02/06 | To remove objects and to increase the runway strip width. Action Plan: Aeronautical study for rescuing the necessary area in order to comply with the 150 m of runway strip in the South-East zone | Cuba | 2007 | Financial impact to the country's entities. |
| AGA 143 C Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.4.1 and ANP Table AOP1) | Cuba, CAMAGUEY, Ignacio Agramonte | Runway 25 is lacking a simple approach lighting system | 24/02/06 | To provide a simple approach lighting system. Action Plan: Due to a low operations level and to the conditions of good visibility presented at the "Ignacio Agramonte" International Airport in Camaguey, this facility is not justified. Based on Recommendation 5.3.4.1 of Annex 14, Cuba will request an amendment to the Table AOP 1 CAR/SAM ANP/FASID. | Cuba | TBD | This deficiency has not been solved due to the lack of budget; other facilities have been prioritized since they are more important to the safety of flights. |
| AGA 140 C Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.4.1 and ANP Table AOP1) | Cuba, HOLGUIN, Frank Pais | There is no Category I precision approach lighting system on Runway 05. | 24/02/06 | Provide precision approach lighting system. Action Plan: The project study and hiring implementation process are on-going. | Cuba, ECASA | 07/2007 | This deficiency has not been solved due to the lack of budget; other facilities have been prioritized since they are more important to the safety of flights. |
| AGA 139 C Runway End Safety Area (Annex 14, Vol. I, Chap. 3.4, 3.4.1) | Cuba, SANTIAGO DE CUBA, Antonio Maceo | There are no runway end safety areas. | 24/02/06 | To provide runway end safety areas possible through the reduction of declared distances. Action Plan: An aeronautical study was performed to reduce the declared distances. Nowadays, the corresponding coordination with "Empresa Cubana de Aeropuertos y Servicios Aeronáuticos" (ECASA) is being established. | Cuba | 1ºSem2005 | |
| AGA 138 C Rescue and Fire Fighting Service and Airport Emergency Planning (Annex 14, Vol. I, Chap. 9.1 & 9.2 - 9.2.22 & 26) | Cuba, VARADERO, Juan Gualberto Gómez International | There is no direct access between the rescue and fire fighting facilities and the runway. | 24/02/06 | To provide a direct access. Action Plan: During drills carried out by the Rescue and Fire Fighting service, it has been proven that the response time is complied with, as established by Standard 9.2.2.21, Annex 14. | Cuba | 01/2005 | |
| AGA 133 C Pavement surface conditions (Annex 14, Vol. I, Chap. 9.4 - 9.4.3, 4 & 9) | Cuba, HABANA, José Martí International | The runway, taxiway and Terminal 1 apron surfaces are failing causing irregularities and FOD in large areas. | 24/02/06 | To remove FOD through continuous monitoring and to repair the pavement surfaces Action Plan: Minor repairs have been performed, eliminating the landslide of the concerned material. Resurfacing works of the apron of Terminal 1 are scheduled for year 2006. | Cuba | 2006 | |
| AIS 205 C Annex 4 Chap. 3; Doc. 8733 Basic ANP, Part VIII, Paras. 59 a) and 64 1); FASID Table AIS 6 | Cuba | Partial application of ICAO requirements for the production of Aerodrome obstacle chart-ICAO Type A. | 27/01/04 | AIP/Chart will include aeronautical charts of this series for all the international airports that so require. All the international airports are in the process of surveying. Action Plan: Publish the ICAO Type-A aerodrome obstacles plans for those international aerodromes with air navigation obstacles. | State | 12/05 | The solution of this deficiency by AIS depends on the surveys, analysis and submission of data by the aerodromes entity, as per the planned schedule. |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | Action Plan | | | |
|--|--|--|--|---|--|--------------------|--|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |
| MET 32 C | CAR/SAM ANP MET Requirements, Table AOP 1. | Cuba MUCO RVR has not been implemented. | 27/01/04 | The acquisition of a complete meteorological observation system has been scheduled for the MUHA airport ("José Martí", Havana), and for "Juan G. Gómez" airport of Varadero (MUVR). | State | | |
| Dominican Republic/República Dominicana | | | | | | | |
| AGA 47 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Dominican Republic, SANTO DOMINGO, Las Americas Intl | No Signs | 09/02/04 | Install signs. Action Plan: Delay in the assignment of economical resources. | Dominican Republic | 2005 |
| AGA 46 C | Visual Aids (Annex 14, Vol. I, Chap. 5 and ANP, Table AOP 1) | Dominican Republic, SANTO DOMINGO, Las Americas Intl | No approach lighting system on Rwy 35 | 09/02/04 | Install approach lighting system. Action Plan: Delay in the assignment of economical resources. | Dominican Republic | 2005 |
| AGA 78 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4) | Dominican Republic, SANTO DOMINGO, Las Americas Intl | Taxiway and apron surface pavement irregularities. | 09/02/04 | Upgrade pavements. Action Plan: The taxiway and apron pavements are being repaired. To this date, the ECO3 and ECO4 sectors of the taxiway and apron have been repaired. | Dominican Republic | 2005 |
| AGA 77 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4) | Dominican Republic, SANTO DOMINGO, Las Americas Intl | Runway surface pavement irregularities and rubber deposit accumulation. | 09/02/04 | Remove rubber and upgrade pavements. Action Plan: Regarding the rubber removal, we are in the process of purchasing a removal machine. Regarding the pavement upgrade, we are conditioning the parallel taxiway in order to use it as a probable runway, by doing this, we will give maintenance to the runway. | Dominican Republic | 2005 |
| AGA 61 C | Fencing (Annex 14, Vol. I, Chap. 8.4) | Dominican Republic, SANTO DOMINGO, Las Americas Intl | Perimeter security deficient | 09/02/04 | Provide secure perimeter barrier. Action Plan: The perimeter barrier is being installed. | Dominican Republic | 2004 |
| AIS 226 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Dominican Republic | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 09/02/04 | Need for production of aeronautical charts of this series. Action Plan: on-going. Aeronautical and topographic charts are nowadays being modified and updated. | State | 11/04 Administrative coordination. |
| AIS 34 C | Annex 15, Para. 3.6.4; Annex 4, Para. 2.18; Doc. 8733, Basic ANP, Part VIII, Paras 50 to 58, FASID Table AIS 5 | Dominican Republic | Partial implementation of the WGS-84 | 09/02/04 | Need to implement the WGS-84 Geodetic System. Action Plan: 90% completed. | State | 30/11/04 Administrative coordination. |
| AIS 188 C | Annex 4Chap. 11; Doc. 8733 Basic ANP, Part VIII, Paras. 59 i) and 64 5); FASID Table AIS 6 | Dominican Republic | Partial application of ICAO requirements for the production of Instrument approach charts. | 09/02/04 | Need for production of aeronautical charts of this series according to the ICAO specifications. Action Plan: on-going. Aeronautical and topographic charts are nowadays being modified and updated. | State | 11/04 Administrative coordination with external organization. |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | Action Plan | | | |
|--|--------------------|---|----------------------|--|------------------------|--------------------|---|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |
| AIS 272 C Doc. 8733 Basic ANP, Part VIII, Paras. 61 to 64, FASID Table AIS 7 | Dominican Republic | Lack of production of the World Aeronautical Chart ICAO 1:1000 000 | 09/02/04 | Need of production of the World Aeronautical Chart ICAO 1:1000 000. Action Plan: on-going. Aeronautical and topographic charts are nowadays being modified and updated. | State | 11/04 | Administrative coordination with external organization. |
| AIS 53 C Annex 4, Para. 2.18; Doc. 8733 Basic ANP, Part VIII, Paras. 51 b) and 56 | Dominican Republic | Production of aeronautical charts according to requirements of the WGS-84 System | 09/02/04 | Need for production of aeronautical charts according to requirements. Action Plan: on-going. Aeronautical and topographic charts are nowadays being modified and updated. | State | 11/04 | Administrative coordination. |
| AIS 249 C Annex 4 Chap. 13; Doc 8733 Basic ANP, Part VIII, Paras. 59 h) and 64 6); FASID Table AIS 6 | Dominican Republic | Partial application of ICAO requirements for the production of Aerodrome/Heliport chart-ICAO | 09/02/04 | Need for effective production of this series of aeronautical charts. Action Plan: on-going. Aeronautical and topographic charts are nowadays being modified and updated. | State | 11/04 | Administrative coordination. |
| ATM 23 C Use of the aeronautical phraseology | Dominican Republic | In general, the use of aeronautical phraseology in Spanish and/or English does not meet the required levels and it is a relevant factor with regard to ATS incidents. | 02/04 | Continuous training and supervision in the use of aeronautical phraseology is required. Action Plan: Training processes carried out since 2002 have satisfactorily risen the use of aeronautical phraseology, which has considerably decreased the aeronautical incidents. In addition, enhancements to the training plans have been implemented in order to keep on rising the aeronautical phraseology standards. | CAA Dominican Republic | 2005 | |
| 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 aircrafts. 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. |
| 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 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 have not been implemented yet. | State | 2008 | Lack of financing and very expensive equipment. |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | Action Plan | | | | |
|----------------|-------------------|--------------|----------------------|-------------------|----------------|--------------------|--------------------------|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |

Haiti

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|-----|-----|--|------------------------------|-------------------------|-------|--|-----------|------|--|
| SAR | 1 C | Search and Rescue facilities CAR/SAM/3 Rec. 6/2. | Haiti SRR/RCC Port-au-Prince | SRR/RCC not implemented | 04/05 | The following items will be developed: SAR General Mission, Legal Aspects, Responsibility of providing SAR services, National entity SAR, Covering Area, SAR Means, SAR training, SAR Documentation, SAR Agreements. | CAA Haiti | 2006 | |
|-----|-----|--|------------------------------|-------------------------|-------|--|-----------|------|--|

Netherlands Antilles/Antillas Neerlandesas

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|-----|-------|---|--|--|------------|--|------------------------------|------------|--|
| AGA | 246 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.2.8.1 & 3) | Netherlands Antilles, CURACAO/WILLEMSTAD, Hato Int'l | Taxiway centreline markings at runway – taxiway intersections are not provided on some taxiways | 25/03/2003 | Provide taxiway centreline markings at all runway – taxiway intersections. Action Plan: Airport operator to paint taxiway centreline markings on runway intersections. | Netherlands Antilles | 30/04/2003 | |
| AGA | 270 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.14.1) | Netherlands Antilles, SINT MAARTEN/PHILIPSBURG, Princess Juliana Int'l | Stopway lights are not provided at both runway ends | 02/2002 | Provide stopway lights or do not declare stopways at both runway ends. Action Plan: Stopways should not be declared, no lights required. | PJIAE (Netherlands Antilles) | 12/2005 | |
| AGA | 260 C | Runway Strip (Annex 14, Vol. I, Chap. 3.3 - 3.3.4) | Netherlands Antilles, SINT MAARTEN/PHILIPSBURG, Princess Juliana Int'l | The runway strip width is inadequate for an instrument runway | 02/2002 | Widen the runway strip. Action Plan: Runway strip is adequate for visual approaches. An IFR may be cleared to execute a visual approach, provided the meteorological conditions are such that a visual approach and landing can be completed. For PJIA a strip of 2x75 is then sufficient. An IFR flight on visual approach is approved. | PJIAE (Netherlands Antilles) | TBD | |
| AGA | 247 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.4.1C and ANP FASID Table AOP1) | Netherlands Antilles, CURACAO/WILLEMSTAD, Hato Int'l | A simple approach lighting system is provided for Runway 11 | 25/03/2003 | Provide a Category I precision approach lighting system for Runway 11. Action Plan: Airport operator to engage in consultation process with DCA and aircraft operators to confirm the need for a Category I precision approach lighting system and submit a technical aeronautical study to the DCA to request acceptance of non-compliance with standard requirement, if applicable. If a Category I precision approach lighting system is necessary, airport operator to provide. | Netherlands Antilles | 2004 | High cost of provision and pilot reports of blinding by existing lights. |
| AGA | 264 C | Obstacles (Annex 14, Vol. I, Chap. 4 - 4.2.12) | Netherlands Antilles, SINT MAARTEN/PHILIPSBURG, Princess Juliana Int'l | Obstacles infringing on the take off climb and approach obstacle limitation surfaces for both Runways 09 & 27 include fencing, vehicles on roads, buildings, vegetation and terrain. | 02/2002 | Eliminate some obstacles by not declaring the stopways at both runway ends. This may involve a displacement of the Runway 09 threshold and Runway 27 end. Remove, light and mark remaining obstacles as appropriate. | PJIAE (Netherlands Antilles) | 12/2005 | |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | Action Plan | | | | |
|---|---|--|----------------------|---|------------------------------|--------------------|--|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |
| AGA 261 C Runway End Safety Area (Annex 14, Vol. I, Chap. 3.4 - 3.4.1) | Netherlands Antilles, SINT MAARTEN/ PHILIPSBURG, Princess Juliana Int'l | Runway end safety areas are not provided at both runway ends | 02/2002 | Provide the required runway end safety areas by not declaring the stopways at both runway ends. Action Plan: NACO has been commissioned and has worked out a plan of action to address this matter. | PJIAE (Netherlands Antilles) | 12/2005 | |
| AGA 268 C Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.4.1B and ANP FASID Table AOP1) | Netherlands Antilles, SINT MAARTEN/ PHILIPSBURG, Princess Juliana Int'l | A simple approach lighting system is not provided for Runway 09 | 02/2002 | Provide a simple approach lighting system for Runway 09 | PJIAE (Netherlands Antilles) | TBD | Simple approach lighting system at Runway 09 is not practicable because of the sea. It is not required when the runway is used in conditions of good visibility or if other visual aids are provided. In this case we have good visibility and a PAPI system on the left and right side of the runway. |
| AGA 259 C Runway Strip (Annex 14, Vol. I, Chap. 3.3 - 3.3.2) | Netherlands Antilles, SINT MAARTEN/ PHILIPSBURG, Princess Juliana Int'l | The runway strip length is insufficient at both runway ends. | 02/2002 | Provide the required runway strip length by not declaring the stopways at both runway ends. Action Plan: Strip extends up to 60 m beyond end of runway. This length is available by not declaring stopways. Has been investigated to establish the implications. | PJIAE (Netherlands Antilles) | 12/2005 | |
| AGA 251 C Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4 - 9.4.4) | Netherlands Antilles, CURACAO/ WILLEMSTAD, Hato Int'l | Runway pavement has extensive cracking | 25/03/2003 | Upgrade runway pavement. Action Plan: Airport operator to seal runway surface. | Netherlands Antilles | 2003 | Airport operator has carried out a specialized technical study, which establishes that the cracking is only superficial, not structural. |
| AGA 250 C Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4 - 9.4.3) | Netherlands Antilles, CURACAO/ WILLEMSTAD, Hato Int'l | Parallel taxiway pavement has extensive cracking from the apron to Runway 11 | 25/03/2003 | Upgrade taxiway pavement. Action Plan: Airport operator developing a new re-aligned Taxiway A West. | Netherlands Antilles | 2003 | |
| AGA 249 C Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.14.1) | Netherlands Antilles, CURACAO/ WILLEMSTAD, Hato Int'l | Stopway lights are not provided | 25/03/2003 | Provide stopway lights or do not declare stopway. Action Plan: NOTAM to be issued by DCA notifying lack of stopway lights. Airport operator to engage in consultation process with DCA and aircraft operators to confirm the need for stopways. If stopways are not necessary, DCA not to declare, modify the runway declared ASDA distance and amend AIP. If stopways are necessary, airport operator to provide stopway lights. | Netherlands Antilles | 2004 | |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | Deficiencies | Action Plan | | | | | |
|----------------|-------|--|---|--|-------------------|--|------------------------------|--------------------------|--|
| Requirements | | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered | |
| AGA | 248 C | Visual Aids (Annex 14, Vol. I, Chap. 5 - 5.3.5.1 and ANP FASID Table AOP1) | Netherlands Antilles, CURACAO/WILLEMSTAD, Hato Int'l | A visual approach slope indicator system is not provided for Runway 29 | 25/03/2003 | Provide a visual approach slope indicator system for Runway 29. Action Plan: Airport operator to engage in consultation process with DCA and aircraft operators to confirm the need for PAPI lights. If PAPI lights are necessary, airport operator to provide. | Netherlands Antilles | 2004 | High cost of provision and low utilisation of Runway 29 (<1%). |
| AGA | 263 C | Obstacles (Annex 14, Vol. I , Chap. 4 - 4.2.12) | Netherlands Antilles, SINT MAARTEN/ PHILIPSBURG, Princess Juliana Int'l | Obstacles in the transitional surface include aircraft parked on the apron, buildings and vegetation | 02/2002 | Minimise the presence of obstacles by prevention and removal. Light and mark remaining obstacles as appropriate. Action Plan: Remedy hydrant system leakage. Local authorities have been advised of the required measures for implementation | PJIAE (Netherlands Antilles) | TBD | |
| 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 | |

United States/Estados Unidos

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|-----------|--|--|--|------------|--|---------------|-----|--|
| AGA 340 C | Apron management service (Annex 14, Chap.9.5, Rec.9.5.1 & Std.9.5.7. | United States, Puerto Rico, Luis Muñoz Marin International Airport | The apron management service was observed to be unsatisfactory | 16/02/2005 | Improve apron management service | United States | TBD | Each carrier has their own ground ops plan to deal with their aircraft/leased areas at United States airports. |
| AGA 328 C | Visual Aids (Annex 14, Vol.I, Chap. 5.3, Stds. 5.3.5.2 & 5.3.5.3 and Doc. 8733 ANP FASID Table AOP1) | United States, Puerto Rico, Luis Muñoz Marin International Airport | The visual approach slope indicator systems provided for all runways are not compliant with standards | 16/02/2005 | Replace the visual approach slope indicator systems with systems which are compliant with standards Action Plan: PAPI to be installed. Awaiting for administrative change. FAA ANI is awaiting for an NRA number for the project. | United States | TBD | |
| AGA 335 C | Rescue and Fire Fighting (Annex 14, Vol. I, Chap.9.2, Rec.9.2.36 | United States, Puerto Rico, Luis Muñoz Marin International Airport | A minimum of 6 RFFS personnel were reported to be available at any time. This is considered insufficient for Category 8. | 16/02/2005 | Consider increasing RFFS personnel number to at least 10 during Category 8 and 9 operations | United States | TBD | FAA does not mandate minimum staffing levels |
| AGA 334 C | Rescue and Fire Fighting (Annex 14, Vol. I, Chap.9.2, Std. 9.2.3 & 9.2.5 & 9.2.6 and Doc. 8733 ANP FASID Table AOP1) | United States, Puerto Rico, Luis Muñoz Marin International Airport | The level of protection to be provided for aircraft types currently operating should be a RFFS aerodrome Category 9 | 16/02/2005 | Upgrade the level of protection provided to an RFFS aerodrome Category 9 | United States | TBD | The United States filed difference to Annex 14; Part 139 index is based on length of air carrier expressed in groups and the average daily departure of these aircraft. The United States does not take into account fuselage width, cargo-only aircraft nor passenger levels. |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | Action Plan | | | | |
|---|--|---|----------------------|---|----------------|--------------------|---|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |
| AGA 332 C Aerodrome emergency planning (Annex 14, Vol.I, Chap.9.1 - Std.9.1.13) | United States, Puerto Rico, Luis Muñoz Marín International Airport | The full-scale aerodrome emergency exercise is required every two years | 16/02/2005 | Undertake a full-scale aerodrome emergency exercise | United States | TBD | Full-scale exercise successfully performed 10/2004. The United States filed difference to Annex 14 since FAA requires a full-scale exercise every 3 years, not every 2 years. |
| AGA 329 C Visual Aids (Annex 14, Vol.I, Chap. 7.2, Std.7.2.1) | United States, Puerto Rico, Luis Muñoz Marín International Airport | Taxi side stripe markings are not provided on the runway end turn pad at the east end of Runway 08/26 | 16/02/2005 | Provide taxi side strip markings Action Plan: Construction for a full parallel TWY S will eliminate the need for the turnaround pad. Construction has started with a completion date of 2006. | United States | 2006 | |
| AGA 327 C Visual Aids (Annex 14, Vol. I, Chap.5.2 - Std. 5.2.8.1 & 5.2.8.3) | United States, Puerto Rico, Luis Muñoz Marín International Airport | Taxiway centre line marking to guide aircraft turning around is not provided on the runway end turn pad at the east end of Runway 08/26 | 16/02/2005 | Provide turn-around guidance taxiway centre line marking at the runway end. Action Plan: Construction for a full parallel TWY S will eliminate the need for the turnaround pad. Construction has started with a completion date of 2006. | United States | 2006 | |
| AGA 326 C Visual Aids (Annex 14, Vol. I, Chap.5.2, Std.5.2.2.4) | United States, Puerto Rico, Luis Muñoz Marín International Airport | Runway 08 designation marking is not compliant with the two-digit number standard | 16/02/2005 | Correct the Runway 08 designation marking | United States | TBD | The United States filed difference to Annex 14 thus, allowing the single digit runway designator. |
| AGA 324 C Taxiways (Annex 14, Vol.I, Chap. 3.8, Std. 3.8.7) | United States, Puerto Rico, Luis Muñoz Marín International Airport | The distance between runway and parallel taxiway centrelines is insufficient | 16/02/2005 | Implement runway and taxiway operational procedures and restrictions to maintain compliance with SARPS | United States | TBD | The United States filed difference to Annex 14 thus, allowing closer runway to parallel taxiway separations. |
| AGA 323 C Runway End Safety Area (Annex 14, Vol.I, Chap. 3.4, Std. 3.4.1) | United States, Puerto Rico, Luis Muñoz Marín International Airport | No runway end safety area is provided at the east end of Runway 08/26 | 16/02/2005 | Provide runway end safety area by extension and/or displacing the Runway 08 end and Runway 26 threshold and reduce the runway declared distances accordingly. Action Plan: Threshold displaced to coincident with new parallel Twy S (underway) and relocated ILS. SJU working with FAA, US EPA and US Army Corps of Engineers to obtain a FONSI to continue extension of RESA. | United States | TBD | |
| AGA 279 C Runway end safety area (Annex 14, Vol. I, Chapter 3.4) | United States, San Juan, Luis Muñoz Marín International | No RESA is provided at the east end of Runway 08/26 | 16/02/2005 | Provide RESA Action Plan: Threshold displaced to coincident with new parallel Twy S (underway) and relocated ILS. SJU working with FAA, US EPA and US Army Corps of Engineers to obtain a FONSI to continue extension of RESA. | United States | TBD | |

ACTION PLAN FOR RESOLVING REGIONAL AIR NAVIGATION DEFICIENCIES

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | Action Plan | | | |
|--|--|---|----------------------|--|----------------|--------------------|--------------------------|
| Requirements | States/facilities | Description | Date of presentation | Corrective Action | Executing Body | Date of correction | Difficulties Encountered |
| AGA 321 C Runway Strip (Annex 14, Vol.I, Chap.3.3, Std. 3.3.2) | United States, Puerto Rico, Luis Muñoz Marín International Airport | Runway 08/26 strip length is insufficient at the east end | 16/02/2005 | Lengthen the runway strip or displace the Runway 08 end and Runway 26 threshold and reduce the runway declared distances accordingly. Action Plan: Threshold displaced to coincident with new parallel Twy S (underway) and relocated ILS. SJU working with FAA, US EPA and US Army Corps of Engineers to obtain a FONSI to continue extension of RESA. | United States | TBD | |
| AGA 156 C Runway Strips (Annex 14, Vol. I, Chap 3.3, 3.3.2, 3 & 6) | United States, San Juan, Luis Muñoz Marín International | Runway strip widths insufficient and contains objects. Also insufficient length at Runway 08/26 east end. | 16/02/2005 | Remove objects, lengthen and widen the Runway strip. Action Plan: Corrections underway. Threshold displaced to coincident with new parallel Twy S (underway) and relocated ILS. The displacement plus construction of the new full parallel Twy S and land extension will provide a full length. Furthermore SJU working with FAA, US EPA and US Army Corps of Engineers to obtain a FONSI to continue extension of RESA. Regarding objects on the north side of Rwy 26, the runway is bounded by a protected water/mangroves. Although SJU has obtained a permit whereby the tops are reduced only to a specified height. | United States | TBD | |
| AGA 158 C Visual Aids (Annex 14, Vol. I, Chap. 5, 5.3.5.3 and ANP, Table AOP1) | United States, San Juan, Luis Muñoz Marín International | Non-standard VASI is provided | 16/02/2005 | Replace VASI with standard VASIS (i.e. PAPI). Action Plan: PAPI to be installed. Awaiting for administrative change. FAA ANI is awaiting for an NRA number for the project. | United States | TBD | |
| AGA 322 C Runway Strip (Annex 14, Vol.I, Chap.3.3, Std. 3.3.3) | United States, Puerto Rico, Luis Muñoz Marín International Airport | Runway strip widths are insufficient and contain objects including vegetation and arresting gear | 16/02/2005 | Widen the runway strips and remove objects Action Plan: Corrections underway. Land areas beyond and to the sides of Rwy 8 are under development to provide RESA and runway strip. For Rwy 26 end, construction of the new full-parallel Twy S and land extension will provide a full width. The north side of Rwy 26 is bounded by a protected water/mangroves. | United States | TBD | |

CORRECTED DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix C

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | | Corrective Action | | | |
|--|--|--------------------|--|----------|--|---|--------------------|---------------------|
| Requirements | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| Aruba | | | | | | | | |
| AIS 81 C | Doc. 8733 Basic ANP, Part VIII, Paras. 61 to 64, FASID Table AIS 7 | Aruba | Lack of production of the World Aeronautical Chart ICAO 1:1000 000 | 01/11/94 | Requirement does not apply to this States. | Corrected. | State | B |
| Bahamas | | | | | | | | |
| AIS 108 C | Annex 15 Chap. 8; Doc. 8733 Basic ANP, Part VIII, Para. 25; FASID Tables AIS 1 and 2 | Bahamas | Pre- flight information/(implementation of required AIS aerodrome units). | 18/09/96 | No action plan reported. | Corrected. | State | 30-11-04 A |
| AIS 1 C | Annex 15, Chap. 4; Doc 8733 Basic ANP, Part VIII, Para. 33. | Bahamas | Lack of Publication of the restructured AIP | 25/4/96 | GREPECAS AIS/MAP Subgroup Survey to States. | Corrected | State | 2005 A |
| AIS 184 C | Annex 4Chap. 11; Doc. 8733 Basic ANP, Part VIII, Paras. 59 i) and 64 5); FASID Table AIS 6 | Bahamas | Partial application of ICAO requirements for the production of Instrument approach charts. | 06/01/94 | Records/files in NACC R0; GREPECAS and AIS/MAP/SG reports. | Corrected | State | 2005 B |
| AIS 82 C | Doc. 8733 Basic ANP, Part VIII, Paras. 61 to 64, FASID Table AIS 7 | Bahamas | Lack of production of the World Aeronautical Chart ICAO 1:1000 000 | 01/11/94 | No requerida | Corrected. | State | B |
| 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 |
| Dominican Republic/República Dominicana | | | | | | | | |
| AIS 110 C | Annex 15 Chap. 8; Doc. 8733 Basic ANP, Part VIII, Para. 25; FASID Tables AIS 1 and 2 | Dominican Republic | Pre- flight information/(implementation of required AIS aerodrome units). | 18/09/96 | Records/files NACC RO. Already stablished. | Corrected. | State | A |
| 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 |

CORRECTED DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix C

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | | | Deficiencies | | | Corrective Action | | | |
|----------------|-------|--|-------------------|--|---------------------|--|-------------------|----------------|--------------------|---------------------|
| Requirements | | | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| Haiti | | | | | | | | | | |
| AIS | 12 C | Annex 15, Chap. 4, Para. 4.2.9; Doc 8733 ANP Básico, Parte VIII, Paras 33 a 37 | Haiti | Lack of regular and effective updating of the AIP Document | 24/10/00 | GREPECAS AIS/MAP Subgroup | Corrected | State | TBD | U |
| AIS | 4 C | Annex 15, Chap. 4; Doc 8733 Basic ANP, Part VIII, Para. 33 | Haiti | Lack of Publication of the restructured AIP | 25/4/96 | GREPECAS AIS/MAP Subgroup Survey to States. | Corrected | State | 01/01/2000 | A |
| AIS | 23 C | Annex 15, Chapter 3, Paras. 3.1.5 and 3.1.6; Chapter 5, Paras. 5.1.1.1 and Sec. 5.3 | Haiti | Timely distribution of the information through NOTAM | 25/10/00 | GREPECAS AIS/MAP Subgroup | Corrected | State | TBD | U |
| AIS | 75 C | Annex 15, Chapter 4, Paras. 4.2.8 and 4.3.4., Chapter 6; Doc 8733 Basic ANP Part VIII, Paras. 45 to 49 | Haiti | Lack of effective compliance with the AIRAC system requirement | 01/11/94 | Records/files NACC RO; GREPECAS reports | Corrected | State | TBD | A |
| AIS | 37 C | Annex 15, Para. 3.6.4; Annex 4, Para. 2.18; Doc. 8733, Basic ANP, Part VIII, Paras 50 to 58, FASID Table AIS 5 | Haiti | Lack of implementation of the WGS-84 | 01/01/98 | GREPECAS AIS/MAP Subgroup Survey to States | Corrected | State | 30/11/04 | U |
| AIS | 253 C | Annex 4 Chap. 13; Doc 8733 Basic ANP, Part VIII, Paras. 59 h) and 64 6); FASID Table AIS 6 | Haiti | Partial application of ICAO requirements for the production of Aerodrome/Heliport chart-ICAO. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Corrected | State | 31/01/00 | A |
| AIS | 209 C | Annex 4 Chap. 3; Doc. 8733 Basic ANP, Part VIII, Paras. 59 a) and 64 1); FASID Table AIS 6 | Haiti | Partial application of ICAO requirements for the production of Aerodrome obstacle chart-ICAO Type A. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Corrected | State | TBD | U |
| AIS | 230 C | Annex 4 Chap. 5; Doc 8733 Basic ANP, Part VIII, Paras. 59 b) and 64 2); FASID Table AIS 6 | Haiti | Non production of Aerodrome obstacle chart-ICAO Type C or the concerned data in the AIP. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Corrected | State | TBD | A |
| AIS | 57 C | Annex 4, Para. 2.18; Doc. 8733 Basic ANP, Part VIII, Paras. 51 b) and 56 | Haiti | Production of aeronautical charts according to requirements of the WGS-84 System | 01/01/98 | Records/files in NACC RO. | Corrected | State | TBD | A |
| AIS | 191 C | Annex 4Chap. 11; Doc. 8733 Basic ANP, Part VIII, Paras. 59 i) and 64 5); FASID Table AIS 6 | Haiti | Partial application of ICAO requirements for the production of Instrument approach charts. | 06/01/94 | Records/files in NACC RO; GREPECAS and AIS/MAP/SG reports. | Corrected | State | TBD | B |
| AIS | 100 C | Doc. 8733 Basic ANP, Part VIII, Paras. 9 to 12 | Haiti | Lack of highest priority for printing of AIS publications. | 18/09/96 | Records/files NACC RO; GREPECAS reports | Corrected | State | TBD | U |

CORRECTED DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix C

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | | Corrective Action | | | |
|---|---------------------------------------|--|---------------------|--|--|----------------|--------------------|---------------------|
| Requirements | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| ATM 27 C Use of the aeronautical phraseology | Haiti | In general, the use of aeronautical phraseology in English does not meet the required levels and it is a relevant factor with regard to ATS incidents. | Sept./2000 | ATS/SG/9 | Corrected. | OFNAC Haiti | 2003 | U |
| Jamaica | | | | | | | | |
| AIS 114 C Annex 15 Chap. 8; Doc. 8733 Basic ANP, Part VIII, Para. 25; FASID Tables AIS 1 and 2 | Jamaica | Pre- flight information/(implementation of required AIS aerodrome units). | 18/09/96 | Records/files NACC RO; | Corrected | State | 2005 | A |
| AIS 77 C Annex 15, Chapter 4, Paras. 4.2.8 and 4.3.4., Chapter 6; Doc 8733 Basic ANP Part VIII, Paras. 45 to 49 | Jamaica | Lack of effective compliance with the AIRAC system requirement | 01/11/94 | Records/files NACC RO; GREPECAS reports | Corrected | State | 2005 | A |
| AIS 132 C Annex 15. Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Jamaica | Pre- flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO; | Corrected | State | 2005 | A |
| AIS 141 C Annex 15. Chap. 8, Para. 8.1.3; Doc 8733 Basic ANP, Part VIII, Para. 26 | Jamaica | Pre- flight information (provision of pre-flight bulletins in all the designated aerodromes). | 18/09/96 | Records/files NACC RO. No action plan reported. Already implemented. | Corrected. | State | 30-01-05 | A |
| AGA 275 C Fencing (Annex 14, Vol. I, Chap. 8.4) | Jamaica, Montego Bay, Sangster Int'l. | Inadequate perimeter barrier at west runway end | 06/2003 | ICAO visit October 2000, IATA visit November 2002 | Upgrade perimeter barrier. Corrected. | Jamaica | 2005 | U |
| Mexico | | | | | | | | |
| CNS 55 C HF/AMS-voice. Mobile Aeronautical Service plan (CNS2A and CNS2B Tables). Merida ACC | Mexico | Low availability (80%) of the Mexico Radio HF/AMS voice communications, installed in Merida due that the HF and SELCAL equipment are obsolete | 01/2002 | RO/ATM mission | Mexico completed final tests of the new HF/AMS and SELCAL equipment are being carried out. Corregida | Mexico | 06/2005 | U |
| Netherlands Antilles/Antillas Neerlandesas | | | | | | | | |
| AIS 115 C Annex 15 Chap. 8; Doc. 8733 Basic ANP, Part VIII, Para. 25; FASID Tables AIS 1 and 2 | Netherlands Antilles | Pre- flight information/(implementation of required AIS aerodrome units). | 18/09/96 | Records/files NACC RO. Already established. | Corrected. | State | | A |
| AIS 89 C Doc. 8733 Basic ANP, Part VIII, Paras. 61 to 64, FASID Table AIS 7 | Netherlands Antilles | Lack of production of the World Aeronautical Chart ICAO 1:1000 000 | 01/11/94 | Records/files NACC RO; GREPECAS reports. No requerida. | Corrected. | State | | B |

CORRECTED DEFICIENCIES (A,B,U)

C/CAR/DCA/8
WP/04
Appendix C

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE C/CAR REGION

| Identification | | Deficiencies | | | Corrective Action | | | |
|-------------------------------------|--|--|--|----------|--|----------------|--------------------|---------------------|
| Requirements | States/facilities | Description | Date first reported | Remarks | Description | Executing body | Date of completion | Priority for action |
| United States/Estados Unidos | | | | | | | | |
| AGA 339 C | Bird Strike Hazards (Annex 14, Chap.9.5, Stds. 9.5.3.&9.5.4 and Rec.9.5.2) | United States, Puerto Rico, Luis Muñoz Marin International Airport | Bird strikes were reported | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 A |
| 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 |
| AGA 331 C | Fencing (Annex 14, Vol.I, Chap. 8.4, Rec.8.4.5) | United States, Puerto Rico, Luis Muñoz Marin International Airport | The perimeter road is incomplete | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 B |
| AGA 330 C | Fencing (Annex 14, Vol.I, Chap. 9.10, Rec.9.10.5) | United States, Puerto Rico, Luis Muñoz Marin International Airport | Runway closures were reported due to the presence of iguanas and dogs | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 A |
| AGA 325 C | Obstacles (Annex 14, Vol.I, Chap. 4.2, Rec. 4.2.21) | United States, Puerto Rico, Luis Muñoz Marin International Airport | Trees are obstacles infringing on the transitional obstacle limitation surfaces | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 A |
| AGA 336 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4 - Recs. 9.4.3 & 9.4.4 & 9.4.5 & 9.4.7 & 4.4.10) | United States, Puerto Rico, Luis Muñoz Marin International Airport | The runway 10/28 pavement surface has irregularities, FOD and rubber accumulation. Runway in particularly poor condition due to pavement failure | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 U |
| AGA 337 C | Pavement Surface Conditions (Annex 14, Vol. I, Chap. 9.4 - Rec. 9.4) | United States, Puerto Rico, Luis Muñoz Marin International Airport | Some taxiway and apron areas are in very poor condition-concrete slabs broken and FOD | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 A |
| AGA 277 C | Pavement Surface Conditions (Annex 14, Vol. I, Chapter 9.4, 9.4.3, 4, 5, 7 & 10) | United States, San Juan, Luis Muñoz Marin International | Runway 10/28, some taxiway and apron pavements are deficient | 08/2003 | ICAO observation - July 2003 & ICAO visit October 2003 | Corrected | United States | 2005 U |
| AGA 333 C | Rescue and Fire Fighting (Annex 14, Vol. I, Chap. 9.2 - 9.2.2) | United States, Puerto Rico, Luis Muñoz Marin International Airport | No sea rescue boat is provided for RFFS at airport | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 A |
| AGA 338 C | Visual Aids (Annex 14, Chap.9.4, Std. 9.4.21) | United States, Puerto Rico, Luis Muñoz Marin International Airport | Runway centre line markings are deficient | 10/2003 | ICAO Visit - October 2003 | Corrected | United States | 2005 U |

APPENDIX D

ACTION PLAN FOR THE RESOLUTION OF EACH ONE OF THE REGIONAL AIR NAVIGATION DEFICIENCIES PLAN DE ACCIÓN PARA RESOLVER CADA UNA DE LAS DEFICIENCIAS REGIONALES DE NAVEGACIÓN AÉREA

State/Intl. Organization:

Estado/Org. Internacional:

Date/Fecha:

| ID | Deficiency/ Deficiencia | Corrective Action/ Acción correctiva | Date of Correction/ Fecha de corrección | Executing Body/ Organo Ejecutor | Difficulties encountered/ Dificultades encontradas |
|--|--|---|---|--|--|
| Identificación de la deficiencia usando el formato AREA-NUM-REG | Descripción exacta de la deficiencia tal y como aparece en la Base de Datos | El Estado deberá informar la acción correctiva propuesta o que llevará a cabo, tomando en cuenta la acción ya descrita por la Secretaría | Fecha estimada para concluir la acción correctiva de la deficiencia, indicando al menos el año en que se finalizará | Responsable de llevar a cabo la acción correctiva | Mencionar cualquier dificultad encontrada o que se pueda presentar para la adecuada implementación de la acción correctiva. |
| Identify the deficiency using the format AREA-NUM-REG | Exact description of the deficiency as appears in the Databank | State must inform the proposed corrective action or to be carried out, taking into account the action described by the Secretariat | Estimated date for the conclusion of the corrective action of the deficiency, indicating at least the year in which it will be completed | Responsible of carrying out the corrective action | Indicate any difficulty encountered or that could appear for the adequate implementation of the corrective action |
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