



International Civil Aviation Organization

CAR/SAM Regional Planning and Implementation Group (GREPECAS)

**Eighteenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/18)**

Punta Cana, Dominican Republic, 9 to 14 April 2018

GREPECAS/18 - WP/16

07/03/18

**Agenda Item 5: Follow-up on the resolution of air navigation deficiencies in the CAR/SAM Regions**

**“A”, “B” AND “U” DEFICIENCIES IN THE CAR/SAM REGIONS**

(Presented by the Secretariat)

<b>SUMMARY</b>	
This working paper presents updated information on the progress to date of the resolution of deficiencies in the CAR/SAM Regions.	
<b>References:</b>	
<ul style="list-style-type: none"><li>• Uniform methodology for identification, assessment and reporting of Air Navigation deficiencies in accordance with the ICAO Council</li><li>• GREPECAS Air Navigation Deficiencies Database (GANDD)</li><li>• Fifth North American, Central American and Caribbean Working Group Meeting (NACC/WG/5), Port of Spain, Trinidad and Tobago, 22-26 May 2017</li><li>• NACC No Country Left Behind (NCLB) Strategy <a href="https://www.icao.int/NACC/Pages/nacc-nclb.aspx">https://www.icao.int/NACC/Pages/nacc-nclb.aspx</a></li><li>• Fourth Meeting of the Programmes and Projects Review Committee of GREPECAS, Lima, Peru, 12 to 14 July 2016</li></ul>	
<b>Strategic Objectives</b>	<i>This working paper is related to Strategic Objectives A – Safety B - Air Navigation Capacity and Efficiency</i>

**1. Introduction**

1.1 In keeping with its functions, and based on the uniform methodology for the identification, assessment and reporting of air navigation deficiencies formulated by the ICAO Council, GREPECAS periodically reviews the implementation status of ICAO Standards and Recommended Practices (SARPs) and the CAR/SAM Regional Air Navigation Plan at their meetings with a view to determining the level of implementation and identifying, to the extent possible, deficiencies in the air navigation fields in these two Regions.

1.2 The PPRC/4 meeting recognised that, despite efforts made by the ICAO Regional Offices to overcome the deficiencies, the following difficulties still persisted:

- The process to update the GANDD is sometimes complicated, resulting in States failing to update the information periodically.
- Some deficiencies remain unresolved in the GANDD for a long time.
- The main source for the identification of deficiencies had been the missions by ICAO regional officials to the States, but these missions were no longer carried out.
- Of all the recognised organisations capable of providing information on deficiencies, only the International Federation of Air Line Pilot Association (IFALPA) has provided a list of deficiencies.

1.3 Concerning Decision PPRC/4-1 (Improved Data Collection Process for the Treatment of Deficiencies Reported by IFALPA AND IATA), ICAO and IATA conducting teleconferences in this regard. The ICAO NACC and SAM Regional Offices received from IFALPA information on deficiencies in June 2016 and this information was coordinated accordingly.

1.4 The PPRC/4 meeting noted that the aeronautical meteorology area showed the largest number of type “U” deficiencies, most of them related to lack of training of professional aeronautical meteorology personnel in accordance with WMO requirements. In this sense, it formulated Conclusion PPRC/4-2 (Resolution of Aeronautical Meteorology Deficiencies). ICAO followed-up on MET training as requested by said Conclusion.

## 2. Discussion

2.1 Regarding GREPECAS Conclusion 17/12 (*Revision of the ICAO uniform methodology for the identification, assessment and reporting of air navigation deficiencies*), the ICAO Air Navigation Commission (ANC) noted this request and informed that the uniform methodology review for the identification, assessment and reporting of air navigation deficiencies in 2015 is in accordance with the ANC Secretariat plan. In this regard, the ANC has communicated that the Secretariat will timely update the corresponding documentation.

2.2 In the CAR Region, under the ICAO NACC Regional Office “*No Country Left Behind*”(NCLB) strategy, an exhaustive review of deficiencies State by State, especially of “U” priority has been performed, achieving more concrete actions for each State and which follow-up is performed through NCLB tailored action plans. **Appendix A** shows the progress on the resolution of deficiencies; where a significant reduction (resolution) of deficiencies has been achieved annually since the implementation of the NACC NCLB Strategy in 2016 (300% increase rate of resolution in comparison to 2014).

2.3 In the SAM Region, the Secretariat has been working with States in order to resolve the deficiencies remaining for many years in the GANDD. After GREPECAS/17, priority “U” deficiencies decreased in 50% through the coordinated work carried out with States.

*Deficiencies in the CAR/SAM Regions*

2.4 “A”, “B” and “U” priority deficiencies for CAR/SAM States/Territories can be consulted in ICAO website: [https://www.icao.int/GREPECAS/Pages/ES/Access\\_GANDD\\_ES.aspx](https://www.icao.int/GREPECAS/Pages/ES/Access_GANDD_ES.aspx).

*Deficiencies in the SAM Region*

2.5 “A”, “B” and “U” priority deficiencies for SAM States are presented in **Appendix B** to this working paper.

*GANDD Coordinators*

2.6 **Appendix C** presents the list of States’ focal points that coordinate the information for the GANDD Database update.

3. **Suggested action**

3.1 The Meeting is invited to:

- a) take note of the progress made in the resolution of deficiencies as reported under paragraphs 2.2 and 2.3, as well as of the information contained in Appendices A, B and C to this working paper;
- b) define actions to continue the review and resolution of deficiencies; and
- c) adopt other action it may deem appropriate.

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ICAO UNITING AVIATION

NO COUNTRY LEFT BEHIND

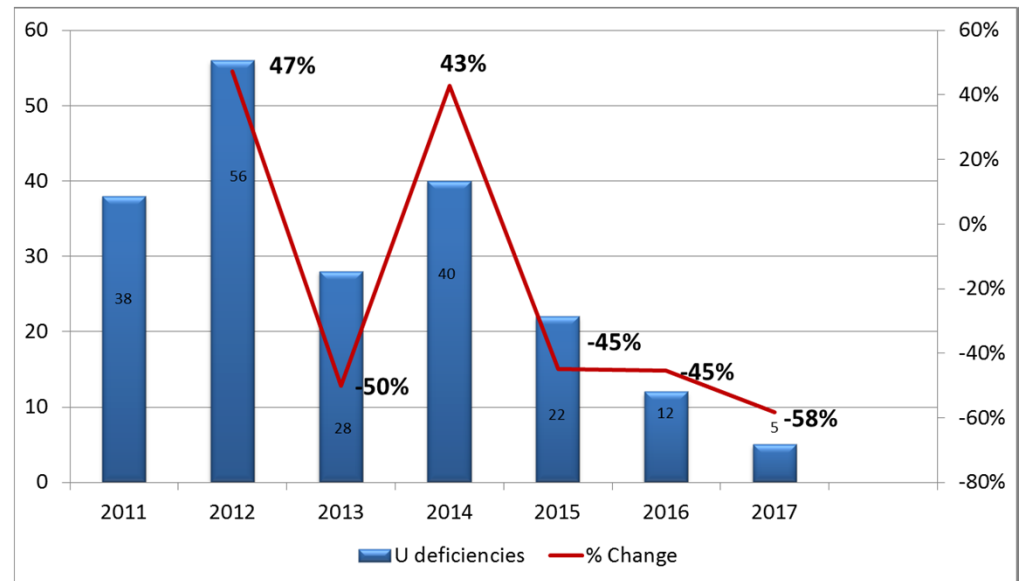


# Annual Resolution of Air Navigation Deficiencies

Outstanding Deficiencies in the CAR Region

	Strategy NACC NCLB					
	2013	2014	Jan 2015	Feb 2015 – Jun 2016	May 2017	Dec 2017
<b>U</b>	<b>28</b>	<b>40</b>	<b>22</b>	<b>12</b>	<b>12</b>	<b>5</b>
<b>A</b>	<b>600</b>	<b>591</b>	<b>495</b>	<b>451</b>	<b>409</b>	<b>386</b>
<b>B</b>	<b>145</b>	<b>140</b>	<b>123</b>	<b>99</b>	<b>82</b>	<b>79</b>
	<b>773</b>	<b>771</b>	<b>640</b>	<b>562</b>	<b>503</b>	<b>470</b>

% Resolution of U Priority Deficiencies



# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AGA FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>ARG Argentina</b>										
AGA 150 SAM	Visual aids (Doc 8733, Vol. II, FASID and Annex 14, Vol. I, Ch. 5)	Argentina/COMODORO RIVADAVIA/General Moscón Aerodrome	No precision approach Category I lighting system at RWY 25, as recommended by the Regional ANP	DEC/ 2002	Detected during mission conducted by ICAO Secretariat	B	Provide precision approach Category I lighting system at RWY 25 and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN" ACTION PLAN: It is scheduled in the Airport Construction Plan for DEC 2007 (AGA/AOP/SG/4, Mexico, 15-18 NOV 04)	Argentina	MAR/ 2018	AGA Mission 2012 - Installation by 2013. The project has been approved by the ORSNA investment plan.  Installation re-programme for 2015 by ORSNA  Installation initiated in March 2015  Installation of 590m planned for March 2018. Reported by State on July 2017
AGA 153 SAM	Physical characteristics (Doc 8733, Vol. II, FASID and Annex 14, Vol. I, Ch. 3.8)	Argentina/CORDOBA/In g. Aer. Tamavella Aerodrome	There is no TWY paralel to RWY 18, as it is recommended by the Regional ANP	DEC/ 2002	Detected during mission conducted by ICAO Secretariat	B	Construct a paralel TWY to RWY 18 and/or inform to the ICAO SAM Office when it will be built "PENDING ACTION PLAN" ACTION PLAN: Scheduled in the Airport Construction Plan for DEC 2006 (AGA/AOP/SG/4, Mexico, 15-18 NOV 04)	Argentina	DEC/ 2015	AGA Mission 2012 - The construction of the paralel taxiway has been included in the Master Plan and it is expected by 2015.  As of JUNE 2017, still open item pending of ORSNA
AGA 167 SAM	Visual aids (Doc 8733, Vol. II, FASID and Annex 14, Vol. I, Ch. 5)	Argentina/MENDOZA/EI Plumerillo Aerodrome	No simple approach lighting system at RWY 18, as recommended by the Regional ANP	DEC/ 2002	Detected during mission conducted by ICAO Secretariat	B	Provide simple approach lighting system at RWY 18 and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN" ACTION PLAN: Scheduled in the Airport Construction Plan for DEC 2006 (AGA/AOP/SG/4, Mexico, 15-18 NOV 2004)	Argentina	DEC/ 2006	AGA Mission 2012 - It has been included in the MasterPlan  ORSNA Investment Plan for 2014-2015 does not include installation of approach lights in RWY 18  JUNE 2017: Still pending

# OUTSTANDING DEFICIENCIES

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GREPECAS/18

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
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AGA 168 SAM	Visual aids (Doc 8733, Vol. II, FASID and Annex 14, Vol. I, Ch. 5)	Argentina/MENDOZA/El Plumerillo Aerodrome	No precision approach Category I lighting system at RWY 36, as it is recommended by the Regional ANP	DEC/ 2002	Detected during mission conducted by ICAO Secretariat	B	Provide precision approach Category I lighting system at RWY 36 and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN" ACTION PLAN: Scheduled in the Airport Construction Plan for DEC 2005 (AGA/AOP/SG/4, Mexico, 15-18 NOV 2004)	Argentina	DEC/ 2005	AGA Mission 2012 - It has been included in Master Plan  ORSNA Investment Plan for 2014-2015 does not include installation of approach lights system CAT I in RWY 36  JUNE 2017: under installation process.
AGA 202 SAM	Physical characteristics (Doc 8733, Vol. II, FASID and Annex 14, Vol. I, Ch. 3.8)	Argentina/SALTA/Salta Aerodrome	No parallel TWY to RWY 01, as it is recommended by the Regional ANP	DEC/ 2002	Detected during mission conducted by ICAO Secretariat	B	Construct parallel TWY to RWY 01 and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN" ACTION PLAN: Scheduled in the Airport Construction Plan for DEC 2007 (AGA/AOP/SG/4, Mexico, 15-18 NOV 2004)	Argentina	DEC/ 2007	AGA Mission 2012 - included in Master Plan and investment plan 2013-2018  JUNE 2017: todavia mantiene condicion
AGA 216 SAM	Visual aids (Doc 8733, Vol. II, FASID and Annex 14, Vol. I, Ch. 5)	Argentina/USHUAIA/Ma Ivinas Argentinas Aerodrome	No precision approach Category I lighting system at RWY 25, as it is recommended by the Regional ANP	DEC/ 2002	Detected during mission conducted by ICAO Secretariat	B	Provide precision approach Category I lighting system at RWY 25 and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN"	Argentina		June 2017: State reports that there are no plans for its installation.

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WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>ARG Argentina</b>										
AIS	15 SAM ICAO Annex 4; Para. 2.18.2.2 y Annex 15, Para. 1.2.2.4	Argentina	Publication of the geoid undulation as it is required.		SAM RO records.	A	# Action Plan (2006) indicated that relevant action is being taken on the matter. Implementation 70%	Indicated State		Completion date: TBD
AIS	35 SAM Annex 15; 1.3.1 English language	Argentina	Complete AIP in English language		SAM RO Records.	A	1. Action Plan (2006) indicated that relevant action is being taken on the matter. NOTAM impl. 100%; AIP 30%	Indicated State.	AUG/ 2015	2008: Requirement of English language experts translator personnel requirement, in order to comply with deadlines.
AIS	60 SAM Annex 4, 17; Cap 17.1. VFR aeronautical chart (Scale, 1:500,000)	Argentina	Need for production of this serie of ICAO chart under the WGS-84 system to satisfy the lack of production of the WAC aeronautical chart.		SAM Office records.	B	It is indicated in action plan (2005) that implementation of this requirement is under progress. 20% advance.	Indicated State.	DEC/ 2013	2008: As expressed in the last action plan, the implementation of this requirement is in progress. An analysis of distribution of sheets was made, and the results were that in order to cover in chart scale 1:500.000 Argentina needs 40 sheets, two were produced and the third one is in advanced phase. Percentage made 6%
AIS	95 SAM Annex 4, Chap 13, Para 13.6.1 C). Aerodrome/Heliport Chart - ICAO.	Argentina	Need for the inclusion of geoid undulation in the Aerodrome/Heliport Chart - ICAO.		SAM OfficeRecords.	A	Action Plan (2006) 90% implemented. Geoidal undulation data published in the AIP for all airports.	Indicated State	NOV/ 2008	In AMD 03/08 it is expected that this data will be included in aerodrome/helicopter ICAO Type charts.
AIS	162 SAM Annex 15, Para. 3.7.1 Implementation of Quality system (QS) at the AIS	Argentina	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 services.		Relevant Documented Procedures developed by SAM/AIM Group and GREPECAS Project according to ISO 9001:2008.	A	It is indicated in the action Plan (2006) that relevant actions on the matter, are being taken as required. Internal auditories are carried out at the AIS.	Indicated State	DEC/ 2015	SAMIG/13 Completion date expected Sep. 2014
AIS	236 SAM ICAO Annex 15, Chapter 10, 10.1	Argentina	Need to provide electronic terrain data is required	DEC/ 2015	SAM RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 237 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Argentina	Need to provide the obstacle Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 238 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Argentina	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 239 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Argentina	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records	A				
AIS 240 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Argentina	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records	A				

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE ATM FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks	
1	2	3	4	5	6	7	8	9	10	11	
<b>ARG Argentina</b>											
ATM	1 SAM	English proficiency in Air Traffic Services, CAR/SAM/3 Rec. 5/35	Argentina	The proficiency in the English language of some ATC units could be a contributory factor for the occurrence of incidents and/or aeronautical accidents (Annex 1). The level specified in requirements related to language proficiency in the English language will be a requirement as of 05 March 2011.	OCT/ 1995	GREPECAS/5 Reporting of compliance through Attachment C to communication AN/12.44.6-07/68.	A	0. Performance in the English language of some ATC units could be a contributory factor for the occurrence of incidents and/or aeronautical accidents (Annex 1). For 2009-2010 it is expected to obtain level 4 of ICAO. 1. During the mission of 2006 note was taken on the English proficiency programme in ATS (PRONACEII) implemented. DHA habilitates personnel and establishes the initial and recurrent evaluation system. The Regiones Aéreas evaluate locally and supervise personnel. DTA coordinates periodical evaluation.	ANAC Argentina	MAR/ 2011	2008: On 17 May 2007, an agreement was signed between the Ministry of Defence and the University of Buenos Aires, School of Philosophy and Humanities, so as to implement, develop, monitor and evaluate training in the English language (ROGER). This agreement complement regulator No. 19/05 (PRONACEII).  2007: An action plan with measures to mitigate the risk, as established in ICAO Assembly Resolution A36-11.

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WP/16-App.B  
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1	2	3	4	5	6	7	8	9	10	11
<b>ARG Argentina</b>										
MET 53 SAM	Notify the RVR for CAT 1 operations (Annex 3, Part I, Chapter 4, Rec. 4.6.3.2)	Argentina / Aeronautical meteorological stations	The RVR of SAEZ, SACO, SAZM, SARE and SAME have not been implemented.	AUG/ 2006	Plan the acquisition or repairment of the RVR.	A	Installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2007	
MET 76 SAM	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAZS, SARI y SAWH have not been implemented.	AUG/ 2006	Plan the acquisition or repairment of the RVR.	A	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2008	Waiting for the assignment of the corresponding financial resources.
MET 77 SAM	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SASA, SAZN SARP have not been implemented.	AUG/ 2006	Plan the acquisition or repairment of the RVR.	A	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2009	Waiting for the assignment of the corresponding financial resources.
MET 78 SAM	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SASJ, SAWG, SANT have not been implemented.	AUG/ 2006	Plan the acquisition or repairment of the RVR.	A	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2010	Waiting for the assignment of the corresponding financial resources.
MET 79 SAM	Notify the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Rec. 4.6.3.2]	Argentina / Aeronautical meteorological stations	The RVR of SAWE, SAVC, SARF have not been implemented.	AUG/ 2006	Plan the acquisition or repairment of the RVR.	A	Acquisition and installation of RVR Integrated Systems, Nefobasimeter and Automatic Meteorological Station with visual presentations in MET and TWR.	FAA - CRA in coordination with Natl. MET Service.	2011	Waiting for the assignment of the corresponding financial resources.

# OUTSTANDING DEFICIENCIES

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WP/16-App.B  
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1	2	3	4	5	6	7	8	9	10	11
<b>BOL Bolivia</b>										
AGA 37 SAM	Obstacles (Annex 14, Vol. I Chap. 4 and Chap.6)	Bolivia, LA PAZ/El Alto	Church towers/buildings without obstacles lighting system	SEP/ 2001	Detected during mission conducted by ICAO Secretariat Planned para March 2003, fax NAV/AER/702/02 from Bolivia	A	Install lighting system on church towers/buildings. ACTION TAKEN: DGAC has presented these requirements to the City Hall of El Alto in order to install the obstacle lighting system.	Bolivia/SABSA	MAR/ 2003	

# OUTSTANDING DEFICIENCIES

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1	2	3	4	5	6	7	8	9	10	11
<b>BOL Bolivia</b>										
AIS	36 SAM Annex 15; Cap 1 para. 1.3.1 English language	Bolivia	Requirement to use English for plain language texts in AIS publications		SAM RO Records. 70% Implemented. Information given in SAM/AIM/6 Meeting Full Implementation December 2015 NOTAM Bilingual publishing	A	Action Plan (2006) AIS staff is under training 20% implemented	AASANA	DEC/ 2011	15 Jul 2010: Through Note DNA439/MET020/10 DGAC-0-1-1519 information was received regarding date of compliance, December 2011.  Through Note DNA-0529/11 DGAC-012987/2011 information was received regarding date of compliance, December 2011.
AIS	52 SAM Annex 4, 17; Cap. 17.1 VFR aeronautical chart (Scale, 1:500,000)	Bolivia	Need for production of this serie of ICAO chart under the WGS-84 system to satisfy the lack of production of the WAC aeronautical chart.		SAM Office records. Charts are Produced but not published yet.	B	Action Plan (2006)	Indicated State.		15 Jul 2010: Through Note DNA439/MET020/10 DGAC-0-1-1519 and Note DNA-0529/11 DGAC-012987/2011 information was received that chart 1:500.000 will not be published.

# OUTSTANDING DEFICIENCIES

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1	2	3	4	5	6	7	8	9	10	11
AIS 163 SAM	Annex 15, Para. 3.7.1 Implementation of Quality system (QS) at the AIS	Bolivia	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 services.		Relevant technical documentation has been prepared by the SAM/AIM group to assist the SAM States to achieve this objective Bolivia Informed there is not an Official Plan. SAM/AIM/6	A	I action Plan (2006) working are being carried out on the matter.	AASANA	DEC/ 2011	15 Jul 2010: Through Note DNA439/MET020/10 DGAC-0-1-1519 information was received that date of compliance is December 2011. To date 10% implemented.  Through Note DNA-0529/11 DGAC-012987/2011 information was received regarding date of compliance, December 2011.  SAMIG/13 was informed estimated date of implementation July 2015
AIS 241 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Bolivia	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 242 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Bolivia	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				
AIS 243 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Bolivia	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 244 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Bolivia	Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				

# OUTSTANDING DEFICIENCIES

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1	2	3	4	5	6	7	8	9	10	11
<b>BRA Brasil</b>										
AGA 137 SAM	Visual aids (Annex 14, Vol. I, Chap. 3, 9, Doc 9737 Part 8, Doc 9476, Doc 9157)	Brasil, SAO PAULO/Guarulhos	Apron congested for the type of aircraft proposed	MAY/ 2002	IFALPA Annex 19 Part 3 19-3-SAM-1	B	Adequate/manage apron for accommodate number of aircraft "PENDING ACTION PLAN"	INFRAERO/Br azil	JUN/ 2007	ACTION PLAN: Terminals expansion is underway. The positions will be gradually open until NOV 2005. Expansion of the apron/RWYs/TWYs to be started in DEC 2004 with duration of 30 months (Letter 767/CERNAL-ANA, dated 31 AUG 2004, Of No. 121/SIE/11975/ DAC, dated 24 AUG 2004 and OF No. 9616/DO-DOGP/2004/INFRAERO, dated 04 AUG 2004
AGA 470 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Campo Grande Int'l	ANP requires RFF CAT 8. It is CAT 7	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/01 of its respective Report)	A	Upgrade RFF to CAT 8	BRAZIL/ANAC/INFRAERO		
AGA 471 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Corumbá Int'l	There is no PAPI for RWY 09	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/02 of its respective Report)	B	Install PAPI for RWY 09	BRAZIL/ANAC/INFRAERO		
AGA 472 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Afonso Pena Int'l	ANP requires PA3 type for RWY 15. It PA2	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/03 of its respective Report)	B	Upgrade Pista 15 to PA3	BRAZIL/ANAC/INFRAERO		
AGA 473 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Afonso Pena Int'l	There is no simple approach lighting system for RWY 33	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/04 of its respective Report)	B	Install simple approach lighting system for RWY 33. Activity in progress, installation expected to be completed by the second semester of 2011.	BRAZIL/ANAC/INFRAERO	DEC/ 2011	
AGA 474 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Pinto Martins Int'l	There is no precision approach lighting system for RWY 13	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/05 of its respective Report)	B	Install precision approach lighting system for RWY 13. Implementation in progress. Installation planning to be completed by the first semester of 2011. Installation itself to be completed by the second semester of 2012.	BRAZIL/ANAC/INFRAERO	DEC/ 2012	

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 475 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Augusto Severo Int1	There is no precision approach lighting system for RWY 16L	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/06 of its respective Report)	B	Install precision approach lighting system for RWY 16L. Implementation in progress. Installation planning to be completed by the first semester of 2011. Installation itself to be completed by the second semester of 2012.	BRAZIL/ANAC/INFRAERO	DEC/ 2012	
AGA 477 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Guararapes Int1	There is no precision approach lighting system for RWY 18	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/08 of its respective Report)	B	Install precision approach lighting system for RWY 18. Actividad in progress. Installation planning to be completed by the first semester of 2011. Installation itself to be completed by the second semester of 2012.	BRAZIL/ANAC/INFRAERO	DEC/ 2012	
AGA 478 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Rio de Janeiro Int1	There is no runway centre line lighting for RWY 15 as required by the ANP	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/09 of its respective Report)	B	Install runway centre line lighting for RWY 15 or request amendment to the ANP	BRAZIL/ANAC/INFRAERO		
AGA 479 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Rio de Janeiro Int1	There is no runway touchdown zone lighting for RWY 15 as required by the ANP	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/10 of its respective Report)	B	Install runway touchdown zone lighting for RWY 15 or request amendment to the ANP	BRAZIL/ANAC/INFRAERO		
AGA 480 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Rio de Janeiro Int1	There is no taxiway centre line lighting for RWY 15 as required the ANP	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/11 of its respective Report)	B	Install taxiway centre line lighting for RWY 15 or request amendment to the ANP	BRAZIL/ANAC/INFRAERO		
AGA 481 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Rio de Janeiro Int1	There is no stop bars to RWY 15 as required by the ANP	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/12 of its respective Report)	B	Install stop bars to RWY 15 or request amendment to the ANP	BRAZIL/ANAC/INFRAERO		
AGA 482 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Deputado Luis Eduardo Magalhaes Int1	There is no precision approach lighting system for RWY 10	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/13 of its respective Report)	B	Install precision approach lighting system for RWY 10. Activity in progress. Installation planning to be completed by July 2010.	BRAZIL/ANAC/INFRAERO		
AGA 483 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Santaém Int1	There is no TWY for RWY 10 as required by the ANP	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/14 of its respective Report)	B	Construct TWY for RWY 10	BRAZIL/ANAC/INFRAERO		
AGA 484 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Santaém Int1	There is no precision approach lighting system for RWY 10	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/15 of its respective Report)	B	Install precision approach lighting system for RWY 10. Implementation in progress. Installation planning to be completed by the first semester of 2011.	BRAZIL/ANAC/INFRAERO		

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 485 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Santaém Int'l	There is no taxiway edge lighting for RWY 10	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/16 of its respective Report)	B	Install taxiway edge lighting for RWY 10	BRAZIL/ANAC/INFRAERO		
AGA 486 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Santaém Int'l	There is no TWY centre line marking for RWY 10	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/17 of its respective Report)	B	Paint TWY centre line marking for RWY 10	BRAZIL/ANAC/INFRAERO		
AGA 487 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Santaém Int'l	There is no TWY holding position marking for RWY 10	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/18 of its respective Report)	B	Paint TWY holding position marking for RWY 10	BRAZIL/ANAC/INFRAERO		
AGA 488 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Santaém Int'l	There is no PAPI for RWY 28	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/19 of its respective Report)	B	Install PAPI for RWY 28	BRAZIL/ANAC/INFRAERO		
AGA 489 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Marechal Cunha Machado Int'l	ANP requires RFF CAT 8. It is CAT 7	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/20 of its respective Report)	B	Update RFF to CAT 8	BRAZIL/ANAC/INFRAERO		
AGA 490 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Marechal Cunha Machado Int'l	There is no precision approach lighting system for RWY 06	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/21 of its respective Report)	B	Install precision approach lighting system for RWY 06. Activity in progress. Instalation planning to be completed by the first semester of 2011.	BRAZIL/ANAC/INFRAERO		
AGA 491 SAM	Doc 8733, FASID CAR/SAM – AOP	BRAZIL/ANAC/INFRAERO/Marechal Cunha Machado Int'l	There is no PAPI for RWY 24	AUG/ 2006	ICAO regular mission (01-03 AUG/06, Recommended Action AGA/22 of its respective Report)	B	Install PAPI for RWY 24	BRAZIL/ANAC/INFRAERO		

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>BRA Brasil</b>										
AIS 246 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Brasil	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 247 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Brasil	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>CHL Chile</b>										
AIS 248 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.		Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 249 SAM						A				
AIS 250 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.		Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 251 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Chile	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 252 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Chile	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 253 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Chile	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>COL Colombia</b>										
AGA 41 SAM	RWY strip (Annex 14, Vol. I, Chap.3)	Colombia, RIO NEGRO/Jose Maria Cordoba Airport	Presence of a trapezoidal elevation (base of 15 m x 3 m and 0.6 m high) of the natural terrain in the direction of the TDZ of the 36 end at the RWY strip	JUL/ 2001	Detected during mission conducted by ICAO Secretariat	B	Remove the natural terrain elevation "PENDING ACTION PLAN"	Colombia	OCT/ 2011	<p>The operator requested the publication of a permanent precaution NOTAM to be published in the AIP RRHH Colombia due to the contact zone be located next to the east side of the RWY that belongs to the Colombian Air Force, communicated by letter 002-11-01-00-3020/11 from airplan (operator) 10/08/11.</p> <p>Air Force meetings were held regarding the areas where the trapezoidal surface is located, which will be returned to the airport operator concession so the RWY strip could be leveled. Pending formalization of documents 10/07/2015</p>
AGA 43 SAM	RWY end safety area (Annex 14, Vol. I, Chap.3)	Colombia, RIO NEGRO/Jose Maria Cordoba Airport	There is no available area for stopway, strip and RESA at 36 end	JUL/ 2001	Detected during mission conducted by ICAO Secretariat	A	Evaluate alternatives to comply with the standard. If threshold to be displaced: a) coordinated radioaids displacement with Aerocivil b) displacement of radioaids c) threshold displacement of RWY36 in 58m	Colombia	AUG/ 2011	<p>Communicated by letter 002-11-01-00-3020/11 from airplan (operator) 10/08/11. a) DEC 2011 b) JUN 2012 c) JUL 2012</p> <p>The threshold will be displaced by 60mts, as well as the ALS lights. Also the area to conform the RESA will be leveled 10/07/2015.</p>

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 49 SAM	RWY end safety area (Annex 14, Vol. I, Chap. 3)	Colombia, SANTAFE DE BOGOTA/Eldorado Airport	There is no RESA at 13L end (North RWY). The natural terrain presents many irregularities	JUL/ 2001	Detected during mission conducted by ICAO Secretariat	B	Construct RESA at 13L end (North RWY). Level the natural terrain "PENDING ACTION PLAN"	Colombia		Underway: construction of RESA, leveling strip of the runway end and construction of anti jet protection zone at RWY 13L 07/10/2015.
AGA 50 SAM	Obstacles (Annex 14, Vol. I, Chap. 4)	Colombia, SANTAFE DE BOGOTA/Eldorado Airport	RVR at TDZ of 13R end is not frangible (South RWY). There is a rigid concrete base (0.6 m high)	JUL/ 2001	Detected during mission conducted by ICAO Secretariat	B	Install a frangible structure for the RVR at TDZ of 13R end "PENDING ACTION PLAN" ACTION PLAN: The structure of the RVR in RWY 13R will be changed (Doc 1003-003H4, 26 JAN 2004, UAEAC, Colombia)	Colombia	NOV/ 2004	Pending contracting process for the leveling of south RWY strip, to date has not been decided who will be in charge of the process: the CAA or the Concession responsible for the RWY maintenance.
AGA 53 SAM	Obstacles (Annex 14, Vol. I, Chap. 4)	Colombia, SANTAFE DE BOGOTA/Eldorado Airport	RVR at TDZ of 13L end is not frangible (North RWY). There is a rigid concrete base (0.3 m high)	JUL/ 2001	Detected during mission conducted by ICAO Secretariat	B	Install a frangible structure for the RVR at TDZ of 13L end "PENDING ACTION PLAN" ACTION PLAN: The structure of the RVR in RWY 13L will be changed (Doc 1003-003H4, 26 JAN 2004, UAEAC, Colombia)	Colombia	NOV/ 2004	Underway leveling of the North RWY strip 10/07/2015.
AGA 58 SAM	Stopway zone (Annex 14, Vol. I, Chap. 9)	Colombia, SANTAFE DE BOGOTA/Eldorado Airport	No paved stopway zone at 31R end (North RWY)	JUL/ 2001	Detected during mission conducted by ICAO Secretariat	B	Construct stopway zone "PENDING ACTION PLAN"  In the AIP, removed SWY was declared, however, RESA was built runway end strip was leveled and antichorro protection area was built.  CORRECTED	Colombia	JUL/ 2015	
AGA 112 SAM	RWY strip (Annex 14, Vol. I, Chap. 3)	Colombia, LETICIA/Alfredo Vasquez Cobo	Very uneven RWY strip with garbage and weed grown	MAY/ 2002	IFALPA Annex 19 Part 3 19-3-SAM-1	B	Clean and level the RWY strip. Remove the weeds "PENDING ACTION PLAN"	Colombia		Left side of RWY 03-21 has been leveled, the construction works on the RWY right side have been scheduled for 2016 and 2017 07/10/2015.

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 298 SAM	RWY Strip/Equipment and Installations (Annex 14, Vol. I, Chs. 3 & 8)	COLOMBIA/SANTAFÉ DE BOGOTÁ/Eldorado	There are concrete boxes for cables and rigid bases for PAPIs, approximately 20 cm above the ground level.	MAY/ 2003	ICAO Regular Mission (15/16 MAY 2003, Recommended Action AGA/16 of its respective Report	A	Correct these problems in order to have the concrete boxes for cables and the rigid bases for PAPIs at the ground level "PENDING ACTION PLAN"	COLOMBIA/A EROCVIL		Underway leveling works in the North RWY strip. 10/07/2015
AGA 300 SAM	Obstacles (Annex 14, Vol. I, Ch. 4)	COLOMBIA/SANTAFÉ DE BOGOTÁ/Eldorado	There are trees at, approximately, 30 m from the RWY strip edge	MAY/ 2003	ICAO Regular Mission (15/16 MAY 2003, Recommended Action AGA/19 of its respective Report)	B	Require the monitoring and control of the heights of these trees in order to avoid their interference on the inner transitional surface (If necessary, they must be cut and kept at adequate height) "PENDING ACTION PLAN"	COLOMBIA/A EROCVIL	APR/ 2011	Responsible body: AEROCVIL Environmental and Sanitary Group, expected completion 2012.  There is a project for 2015 to cut and trim 2,000 trees penetrating the RWY transition surface that could generate operational safety risks. 10/07/2015
AGA 451 SAM	Annex 14, Vol. I, Ch. 3, Parag. 3.2.4	COLOMBIA/AEROCVIL/BOGOTÁ/El Dorado Int'l Airport	Unevenness between taxiways/runways with shoulders	OCT/ 2005	ICAO regular mission (28-30/SEP/2005, Recommended Action AGA/04 of its respective Report)	A	Eliminate unevenness between taxiways /runways and shoulders	AEROCVIL/B OGOA/El Dorado Int'l Airport	2006	Underway, leveling works at the North RWY strip.
AGA 495 SAM	RWY surface conditions (Annex 14, Vol. I, Chap. 3)	Colombia, SAN ANDRES/Sesquicentenario Aerodrome	Rubber contamination on 1st 1000 m of RWY 06. Uneven RWY surface holds numerous large puddles after rain. Poor quality of pavement		IFALPA (ref. EC 2/28)	A	Adopt and implement an airport maintenance programme "PENDING ACTION PLAN"	Colombia		In the process of contracting the repaving of the RWY, taxiways and platform 10/07/2015.

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>COL Colombia</b>										
AIS 166 SAM	Annex 15, Para. 3.7.1 Implementation of Quality system (QS) at the AIS	Colombia	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 services.		Relevant technical documentation and rules has been prepared by SAM/AIM Group in order to assist the SAM States to achieve this objective	A	Action Plan 2006. 30% implemented. 60% was implemented through the application of process management system (GP 1000) corresponding to the quality assurance systems.	Indicated State	JAN/ 2010	
AIS 182 SAM	ANNEX 15; Chap 3, 3.3.3 and 3.5.2 Integrity of aeronautical information/data.	Colombia	Need that quality control (QC) system be implemented by the States, to ensure the required level of integrity of the aeronautical information/data issued and/or available. Application of cyclic redundancy check (CRC).		Registro Oficina SAM	A	Action Plan (2006) action is being taken on the matter. Requirements for aeronautical data integrity are included in RAC-15. Up to 2009 AIS counts with an automated system to manage information.	Indicated States	JAN/ 2012	
AIS 254 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Colombia	Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 255 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Colombia	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015		A				
AIS 256 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Colombia	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 257 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Colombia	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>ECU Ecuador</b>										
AGA 305 SAM	Bird Strike (Annex 14, Vol. I, Ch. 9, Enmienda 5)	ECUADOR/DAC	There is no National Bird Strike Committee	MAY/ 2003	ICAO Regular Mission (12-14 MAY 2003, Recommended Action AGA/04 of its respective Report)	A	Create and implement the National Bird Strike Prevention Committee and the Airport Coordinate Committees "PENDING ACTION PLAN" ACTION PLAN: Quito Airport has Airport Coordinating Committee. The National Committee will be implemented in 2006 (Doc DGAC-k3-O-05-1237, 05 DEC 2005).	ECUADOR/D AC	DEC/ 2014	The creation of the National Bird Strike Prevention Committee is undergoing by the Ministry of Transportation and Public Works. It has been programmed to be finalized by December 2014
AGA 326 SAM	Bird Hazards (Annex 14, Vol. I, Ch. 9/Amendment 5 & Doc 9137-AN/898, Part 3)	ECUADOR/DAC/GUAY AQUIL/Simón Bolívar	There is no National Bird Hazard Committee	MAY/ 2003	ICAO Regular Mission (12-14 MAY 2003, Recommended Action AGA/26 of its respective Report)	A	DAC should create a National Bird Hazard Committee "PENDING ACTION PLAN" ACTION PLAN: The Committee will be implemented in JAN 06 (Doc DGAC-k3-O-05-1237, 05 DEC 2005).	ECUADOR/D AC	JAN/ 2006	
AGA 329 SAM	Bird Hazards (Annex 14, Vol. I, Ch. 9, Doc 9137-AN/898, Part 3 & Doc 9184-AN/902, Part 1)	ECUADOR/GUAYAQUIL/Simón Bolívar	Some solid residues are delivered to the network of the served water of Guayaquil.	MAY/ 2003	ICAO Regular Mission (12-14 MAY 2003, Recommended Action AGA/29 of its respective Report)	B	Implement adequate process for collect the solid residues of the airport "PENDING ACTION PLAN" ACTION PLAN: New terminal with these facilities will start working in 27 JUL 06 (Doc DGAC-k3-O-05-1237, 05 DEC 2005).	ECUADOR/G UAYAQUIL	JUL/ 2006	
AGA 331 SAM	TWY Strip (Annex 14, Vol. I, Ch. 3)	ECUADOR/DAC/GUAY AQUIL/Simón Bolívar	There are two open drainage canals parallel to the paralel TWY to End 21, located respectively 14 m and 27 m from the edge of the TWY shoulder. The aerodrome reference code is 4E. There is water accumulated in these canals as well as in two concrete tubes that cross under the TWYs due to soil accumulated on their bottom. Birds are attracted and many of them fly over the RWY birds	MAY/ 2003	ICAO Regular Mission (12-14 MAY 2003, Recommended Actions AGA/32 and AGA/33 of its respective Report)	B	Clean the drainage systems, close canals or relocate them out of the TWY strip. Develop/adopt procedures for maintaining the birds out of the airport "PENDING ACTION PLAN"	ECUADOR/D AC		

# OUTSTANDING DEFICIENCIES

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 336 SAM	Emergency Access Road/Maintenance (Annex 14, Vol. I, Ch. 3, 8 & 9 & Doc 9137-AN/898, Part 8)	ECUADOR/DAC/GUAY AQUIL/Simón Bolívar	The emergency access road is in bad conditions and it is located 20 m from the RWY edges in some areas of the aerodrome (RWY right side, direction End 03 to End 21)	MAY/ 2003	ICAO Regular Mission (12-14 May 2003, Recommended Action AGA/38 of its respective Report)	B	Relocate and improve emergency access road "PENDING ACTION PLAN" ACTION PLAN: Construction is underway by the operator (Doc DGAC-k3-O-05-1237, 05 DEC 2005).	ECUADOR/D AC	MAY/ 2006	
AGA 339 SAM	TWY Shoulders (Annex 14, Vol. I, Ch. 3)	ECUADOR/DAC/GUAY AQUIL/Simón Bolívar	The TWY shoulder is only 7 m wide. The aerodrome reference code is 4E	MAY/ 2003	ICAO Regular Mission (12-14 MAY 2003, Recommended Action AGA/41 of its respective Report)	B	Extend the TWY shoulders to 10.5 m wide "PENDING ACTION PLAN"	ECUADOR/D AC		

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## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AIS FIELD IN THE SAM REGION

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>ECU Ecuador</b>										
AIS 232 SAM	Annex 15; 1.3.1. English language	Ecuador	Requirement to use English for plain language texts in AIP publications		SAM RO Records.. Ecuador informed SAM/AIM/6 Meeting Implementation date August 2015	A	Action plan 2005. 50% implemented.			Indicated State.
AIS 258 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1		Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 259 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Ecuador	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 260 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Ecuador	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 261 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Ecuador	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				
AIS 290 SAM	ICAO Annex 15, Chapter 3, 3.7.1 Quality Magnagement System	Ecuador	Requirement to implement and maintain a quality management system that covers all the functions of AIS	OCT/ 2016	Ecuador implemented a quality management system for the AIS functions but in 2016 it has not re-certified the System Implementation, not complying with the maintenance of the same	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>ECU Ecuador</b>										
ATM	5 SAM English proficiency in Air Traffic Services, CAR/SAM/3 Rec. 5/35	Ecuador	The proficiency in the English language of some ATC units is below the desired level and could be a contributory factor for the occurrence of incidents and/or aeronautical accidents. (Annex 1).	OCT/ 1995	GREPECAS/5	U	1. Incorporate personnel with a good level of colloquial English. 2) Establish a training plan and recurrence of the English language. (Mission 2003: State is encouraged to continue with training plan).	CAD Ecuador	DEC/ 2009	2008: Doc DGAC NB-08-08-114 of 15/07/08 Air Traffic Management expresses that the Training plan continues through years 2008 and 2009.  2007: Ecuador informed that its controllers have not been able to reach level 4 of the language proficiency foreseeing its finalization by 2007.

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>ECU Ecuador</b>										
MET 33 SAM	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard	Ecuador / Aerodrome meteorological offices and meteorological watch office (MWO) of Guayaquil	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	JUN/ 1996	a) Review the functions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	U	Training programmes at national and international level are being carried out to have the specialized aeronautical meteorology personnel required.	DGAC	2007	
MET 84 SAM	Observations and routine reports (annex 3, Part I, Chap. 4, Standard 4.3.2 a)	Ecuador, aerodrome meteorological Offices.	The standard has not been implemented.	MAY/ 2007	Update personnel and implement the standard.	A	CORRECTED	DGCA		

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>GUY Guyana</b>										
AGA 244 SAM	Bird Hazard (Annex 14, Vol. I, Ch. 9.5 and Doc 9137-AN/898)	Guyana/All international aerodromes	There is no National Bird Strike Committee	NOV/ 2002	Detected during mission conducted by ICAO Secretariat	B	Establish a National Committee on Prevention of Bird Hazards "PENDING ACTION PLAN" (Doc GCAA-ICAO/5/312, 20 FEB 2004) ACTION PLAN: Bird Strike Committee to be formulated by SEP 2004 (Doc ICAO/5/3/1, 22 JUN 2004). ACTION PLAN: Bird Strike Committee to be formulated by DEC 2011 (Doc ICAO/5/3/1, 22 JUN 2004)	Guyana	DEC/ 2011	
AGA 256 SAM	Airport development (Doc 9184-AN/902, Part 1)	Guyana/TIMEHRI/Cheddi Jagan Int'l Airport	The airport does not have updated master plan. The preliminary master plan was developed in 1993	NOV/ 2002	Detected during mission conducted by ICAO Secretariat	B	Update master plan and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN" ACTION PLAN: The CJIA will take steps to commence the process for acquiring the services of a suitable consultant to prepare an updated Master Plan (Doc GCAA-ICAO/5/312, 20 FEB 2004). Need for Master Plan under review by Government (Doc ICAO/5/3/1, 22 JUN 2004)	Guyana	DEC/ 2004	

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>GUY Guyana</b>										
AIS	54 SAM Annex 4, 17; Cap 17.1. VFR aeronautical chart (Scale, 1:500,000)	Guyana	Need for production of this serie of ICAO chart under the WGS-84 system to satisfy the lack of production of the WAC aeronautical chart.		SAM Office records.	B	Action plan (2004) required actions should be taken.	Indicated State.		
AIS	70 SAM ICAO Annex 4, Chapter 11; 11.7.2 and 11.10.6.5. Instrumens approach charts.	Guyana	Need to complete the inclusion of the topographic (11.7.2), and the ground profile informations (11.10.6.5) in the production of all instrument approach charts - OACL		SAM Office records.	A	Action plan (2004. 50% implemented.	Indicated State		
AIS	105 SAM ICAO Annex 4, Chapter 7; Par. 7.6.2 Enroute Navigation Charts - ICAO.	Guyana	Need to produce and include in the AIP the Enroute Charts - ICAO, also including the required Area Minimum Altitude (AMA) in such serie of charts.		SAM Office records	A	Action plan 2004. 50% implemented.	Indicated State		
AIS	127 SAM Annex 15, Chap 8.3.1; Doc 8733 ANP, Parte VI, Para. 28 Post-flight Information Service	Guyana	Need for effective coordination between the AIS, ATS and users for the effective level of compliance with this requirement.		Records SAM Office.Email Guyana 29/june/2011 AIC will be disseminated to inform users of this need	A	Action Plan 2004 90% implemented.	Indicated State	DEC/ 2011	
AIS	134 SAM Annex 4, Chap 13, Para 13.6.1 C). Aerodrome/Heliport Chart - ICAO.	Guyana	Requirement to effectively satisfy the specification on the inclusion of geoid undulation in the Aerodrome/Heliport Chart - ICAO.		Records SAM Office.Email Guyana 29/june/2011 Next Chart production will include this estándar	A	Action Plan 2004 50% implemented.	Indicated State	2012	It is planned to implement in the next chart in 2012
AIS	169 SAM Annex 15, Para. 3.2 Implementation of Quality system (QS) at the AIS	Guyana	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 services.		Relevant technical documentation and rules has been developed by the GREPECAS AIS/MAP Subgroup, in order to assist the CAR/SAM States to achieve this objective.	A	Action plan 2004 action should be taken as required	Indicated State	2012	QMS to be developed by 2012 Email Guyana 29/june/2011
AIS	185 SAM ANNEX 15; Chap 3, 3.2.8, and 3.2.10 Integrity of aeronautical information/data.	Guyana	Need that quality control (QC) system be implemented by the States, to ensure the required level of integrity of the aeronautical information/data issued and/or available. Application of cyclic redundancy check (CRC).		Email Guyana 29/june/2011 Pending tybe implementation of QMS-AIS	A	Action plan 2004 action should be taken as required	Indicated States	2012	pending the implementation of QMS Email Guyana 29/june/2011

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 225 SAM	CAR-SAM ANP Part VIII (AIS); Para. 65, 66, 67, 68 AND 69. Regional AIS automated system	Guyana	Requirement for implementation of automated system at the AIS services, in agreement with the indicated in the CAR/SAM Air Navigation Plan.		Records SAM Office. Email Guyana 29/june/2011 40% completed. Studies has to be done to determine needs and develop a roadmap	A	Action Plan 2004 20% implemented.	Indicated State	2014	40% completed. Studies has to be done to determine needs and develop a road map
AIS 262 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.		Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 263 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Guyana	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 264 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Guyana	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 265 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Guyana	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>GUY Guyana</b>										
MET 34 SAM	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Part I, Chapter 2, standard	Guyana / Aerodrome meteorological office and meteorological watch office (MWO) of Georgetown	The MET Authority does not have available the minimum quantity of personnel to provide MET service.	NOV/ 2006	a) Review the functions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	U		Hydromet Service		
MET 44 SAM	Report the RVR for CAT 1 operations [(Annex 3, Part I, Chapter 4, Recommendation 4.7.4 a)]	Guyana / Georgetown aeronautical meteorological station	RVRs SYCJ is not operational.	NOV/ 2006	Plan the repairment of the RVR	A		Hydromet Service		
MET 93 SAM	Routine observations and reports (Annex 3, Chap. 8, Standard 4.3.2 a.)	Guyana/Timehri Meteorological Office	MET Reports are not prepared.	DEC/ 2008	Implement the standard	A		Hydromet Service	JUL/ 2009	
MET 94 SAM	Special observations and reports (Annex 3, Chap. 4, Standard 4.4.2 a.).	Guyana/Timehri Meteorological Office	SPECIAL is not prepared	DEC/ 2008	Implement the standard	A		Hydromet Service	JUL/ 2009	
MET 95 SAM	Aeronautical Climatological information (Annex 3, Chap. 8, Standard 8.1.1)	Guyana/Timehri Meteorological Office	Aerodrome climatological tables are not prepared.	DEC/ 2008	Implement the standard.	B		Hydromet Service	JUL/ 2009	

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>PAN Panama</b>										
AGA 16 SAM	RWY surface conditions (Annex 14, Vol. I, Chap. 3)	Panama, PANAMA/Tocumen Aerodrome	Poor braking action at RWY 03L/31L		IFALPA CAR/SAM Meeting, 98REG049, Buenos Aires, 9/10 Dec. 1997 Fax letter DAC-1039-NA from Panama	A	Evaluate the causes of poor brake action/Eliminate the cause. <b>ACTION TAKEN:</b> Coordination for one project to eliminate the cracks of the runway 13R/21L and pavement surface improvement (US\$ 300,000.00 costs) and another one to rehabilitate runway 13L/21R (US\$ 300,000,000.00 costs)	Panama	2004	
AGA 340 SAM	Emergency Plans (Annex 14, Vol. I, Ch. 9 & Doc 9137-AN/898, Part 7)	PANAMA/DGAC	With exception of Tocumen Int'l Airport, the others do not have updated emergency plan	MAY/ 2003	ICAO Regular Mission (19-20 MAY 2003, Recommended Action AGA/01 of its respective Report)	A	Update the emergency plans for the int'l airports "PENDING ACTION PLAN" <b>ACTION PLAN:</b> Tocumen has elaborated new Emergency Plan (FEB 2004). It will be delivered on 30 JUN 2004. Partial exercise planned for 02 APR 2004 (Doc 134/PAN/03/902).	PANAMA/DG AC		
AGA 348 SAM	ANP (Doc 8733, FASID CAR/SAM - AOP)	PANAMA/DGAC/Tocumen	According to the Regional ANP, RWY 21L should be NPA type and it should have simple approach lighting system. Currently, the RWY is NINST and it does not have simple approach lighting system	MAY/ 2003	ICAO Regular Mission (19-20 MAY 2003, Recommended Action AGA/13 of its respective Report)	B	Provide NPA type RWY and simple approach lighting system for RWY 21L according to the Regional ANP "PENDING ACTION PLAN" <b>ACTION PLAN:</b> 400 m expansion of RWY 04D scheduled for JUN 2005. Installation of Simple Approach Lighting System scheduled for JAN 2006, RWY 21 (Doc 134/PAN/03/902)	PANAMA/DG AC	JAN/ 2006	NPA type RWY and simple approach lighting system for RWY 21L installed according to the Regional ANP

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 352 SAM	MasterPlanning (Doc 9184-AN/902, Part 1)	PANAMA/DGAC	The masterplans for Colon Airport and Tocumen Int'l Airport are, respectively, updated and non-updated. The other airports do not have master plans	MAY/ 2003	ICAO Regular Mission (19-20 MAY 2003, Recommended Action AGA/18 of its respective Report)	B	Update the Master Plan of Tocumen Int'l Airport. Develop master plans for the other airports "PENDING ACTION PLAN" ACTION PLAN: Tocumen S.A. solicited ICAO to contract IATA for developing a Master Plan. In contracting process. Delivery scheduled for MAR 2005 (Doc 134/PAN/03/902).	PANAMA/DG AC	MAR/ 2005	
AGA 353 SAM	Emergency (Annex 14, Vol. I, Ch. 9)	PANAMA/DGAC	There are no plans for removal of disabled aircraft at the airports. For Tocumen, the disabled aircraft removal plan is under the airlines responsibility	MAY/ 2003	ICAO Regular Mission (19-20 MAY 2003, Recommended Action AGA/19 of its respective Report)	B	Develop disabled aircraft removal plans for the international airports "PENDING ACTION PLAN" ACTION PLAN: Tocumen S.A. has initiated alternative studies for the solution of aircraft removal plan, Tocumen will have an aircraft removal plan in JUL 2004 (Doc 134/PAN/03/902).	PANAMA/DG AC	JUL/ 2004	
AGA 357 SAM	RWY Strip/Bird Hazards (Annex 14, Vol. I, Ch. 3 & 9, Amendment 5 to Annex 14)	PANAMA/DGAC/Tocumen	There is a depression near End 03/R and other parts of the RWY strip are also unlevelled. The grass is as high as 1.5 m in some areas. This is a good environment for birds	MAY/ 2003	ICAO Regular Mission (19-20 MAY 2003, Recommended Action AGA/24 of its respective Report)	A	Level the RWY strip. Maintain the grass at adequate height "PENDING ACTION PLAN" ACTION PLAN: Levelling of the RWY strip is included in a project to be started in JUN 2004 and finished in FEB 2005. Grass was cut. New equipment for cutting grass will be bought until DEC 2004 (Doc 134/PAN/03/902).	PANAMA/DG AC	FEB/ 2005	The depression nearby RWY 03R has been leveled. Leveling the runway strip is close to finish. Grass is maintain at an adequate height - email from Insp. Abdiel Guardia on 30 June 2015
AGA 359 SAM	Obstacles (Annex 14, Vol. I, Ch. 3 & 8)	PANAMA/DGAC/Tocumen	There is an installation (small construction) on the RWY strip, which is frangible but its base is rigid and it is approximately 30 cm high. In addition, the antenna towers are not frangible. The same problem occurs with the ILS localizer, which is frangible but its base is rigid and approximately 30 cm high	MAY/ 2003	ICAO Regular Mission (19-20 MAY 2003, Recommended Action AGA/26 of its respective Report)	B	Correct these problems, lowering down the rigid bases up to the terrain surface and transform the rigid structures in frangible structures. "PENDING ACTION PLAN" ACTION PLAN: Included in the PROJECT 3. Starts in JUN 2004, ends FEB 2005 (Doc 134/PAN/03/902).	PANAMA/DG AC	FEB/ 2005	

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 362 SAM	TWY Strip (Annex 14, Vol. I, Ch. 3 & Doc 9157-AN/901, Part 2)	PANAMA/DGAC	The TWY shoulders are 5 m wide. The aerodrome reference code is 4E	MAY/ 2003	ICAO Regular Mission (19-20 MAY 2003, Recommended Action AGA/29 of its respective Report)	B	Enlarge the TWY shoulders to 10.5 m wide "PENDING ACTION PLAN" ACTION PLAN: Included in the Project 3. Starts JUN 2004, ends FEB 2005 (Doc 134/PAN/03/902).	PANAMA/DG AC	FEB/ 2005	
AGA 469 SAM	Annex 14, Vol. I, Ch. 8	PANAMA/DGAC	The int'l airports have perimetric fences but they are unprotected against vandalism	MAY/ 2003	ICAO regular mission (19-20 MAY/03, Recommended Action AGA/20 of its respective Report)	A	Provide perimetric fences and respective protection against vandalism for int'l airports	PANAMA/DG AC		ALL THE INTERNATIONAL AIRPORTS, EXCEPT BOCAS DEL TORO HAVE BEEN PROVIDED WITH PERIMETRIC FENCES ACCORDING TO ANNEX 14 SARP.  FOR BOCAS DEL TORO, A NEW FENCE WILL BE PROVIDED BY 2016 - Email from Insp. Abdiel Guardia 30 june 2015.

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>PAN Panama</b>										
AIS 77 SAM	ICAO Annex 4, Chapter 3. Aerodrome Obstacle Chart - ICAO, Type A.	Panama	Need for effective production of Aerodrome Obstacle Chart - ICAO, Type A., concerning the following airport: Enrique Malek y Bocas del Toro..		SAM Office records.	A	Action plan 2006 Will be completed during 2007.		Indicated State	
AIS 170 SAM	Annex 15, Para. 3.2 Implementation of Quality system (QS) at the AIS	Panama	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 services.		Relevant 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 Panama informed SAM/AIM/6 Meeting implementation date August 2015	A	Action plan 2006 Action is being taken		Indicated State	
AIS 186 SAM	ANNEX 15; Chap 3, 3.2.8, and 3.2.10 Integrity of aeronautical information/data.	Panama	Need that quality control (QC) system be implemented by the States, to ensure the required level of integrity of the aeronautical information/data issued and/or available. Application of cyclic redundancy check (CRC).		Registro Oficina SAM	A	Action plan 2006 Action is being taken.		Indicated States	
AIS 266 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Panama	Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 267 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Panama	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 268 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Panama	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				
AIS 269 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Panama	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11

**PAN Panama**

MET	35 SAM	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Chapter 2, Standard 2.1.5)	Panama / Aerodrome meteorological offices and meteorological watch offices (MWO) of Tocumen	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	NOV/ 2000	a) Review the functions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	U	They are making efforts to use the resources of some projects to be implemented. Plans for the formation and update to start in 2009 and end in 2011. Coordination with the universities is being carried out to correct this deficiency.	CAA	DEC/ 2015	Lack of Training Centres in the Region that provide licenses in this matter. Economic resources to train personnel abroad. Personnel from with University technical degree is been hired (gradually), as requirement. Training is expected to be provided to permanent and new hired personnel.
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# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AIS FIELD IN THE SAM REGION

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>PER Peru</b>										
AIS	39 SAM Annex 15; 3.6.1 English language	Peru	Requirement to use English for AIP.	JUL/ 2008	SAM RO Records. Implementation is expected December 2015	A	Action Plan (2006) 15% implemented.	Indicated State	DEC/ 2015	
AIS	78 SAM ICAO Annex 4, Chapter 3. Aerodrome Obstacle Chart - ICAO, Type A.	Peru	Need for effective production of Aerodrome Obstacle Chart - ICAO, Type A., concerning the following airport: Chiclayo, y Pisco .		SAM Office records. It is included in Action Plan 2010-2016.	A	Action plan (2006) 30% implemented.	Indicated State	DEC/ 2010	
AIS	172 SAM Annex 15, CAP 3; Para. 3.7 Implementation of Quality system (QS) at the AIS	Peru	It is required the implementation of a quality system (QS);		SAM/AIM Group provided all documented procedures Peru informed in SAM/AIM/6 Meeting implementation Date August 2015	A	Action plan 2006 30% implemented	Indicated State	AUG/ 2015	
AIS	274 SAM ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Peru	Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS	276 SAM ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Perú	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11

AIS	277 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				
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# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AGA FIELD IN THE SAM REGION

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>PRY Paraguay</b>										
AGA 62 SAM	Runway shoulder (Annex 14, Vol. I, Chap.3)	Paraguay, Aerodrome of Asuncion/Silvio Petirossi	Runway shoulder 4m wide	SEP/ 2001	Detected during mission conducted by ICAO Secretariat Planned for 2003, fax 22 NOV 2002 from Paraguay	B	Enlarge the width of the runway shoulders to 7.5 m. ACTION TAKEN: Studies and project are under development	Paraguay	JUN/ 2015	Compliance pursuant by June 2015
AGA 63 SAM	Runway strip (Annex 14, Vol. I, Chap. 3)	Paraguay, Aerodrome of Asuncion/Silvio Petirossi	Runway strip unlevelled and narrow	SEP/2001	Detected during mission conducted by ICAO Secretariat Planned for 2003, fax letter 22 NOV 2002 from Paraguay	B	Level and enlarge the RWY strip to 150 m wide on each side of the runway centre line. ACTION TAKEN: Depend upon availability of resources	Paraguay	JUN/ 2015	Compliance pursuant by June 2015

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>PRY Paraguay</b>										
AIS 38 SAM	Annex 15; 3.6.1 English language	Paraguay	Requirement to use English for plain language texts in AIS publications		SAM RO Records. P/DINAC 1302/2011 Implementation is expected in August 2012.	A	Action Plan (2006) Action Plan completion August 2012	DINAC	APR/ 2015	Implementation planned in August 2012 P/DINAC nro 1302/2011 EXP DINAC Nro. 002168/11 Correcting action plan implemented 90%
AIS 270 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.		Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 271 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.		Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 272 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Paraguay	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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1	2	3	4	5	6	7	8	9	10	11
AIS 273 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.		Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11

**PRY Paraguay**

CNS	21 SAM	Radio Navigation Service Plan Table CNS 3. VOR	Paraguay, Mariscal Estigaribia	This VOR is not implemented	MAY/ 1989	A	<p>The modernization project of the Paraguayan air navigation system considers the VOR/DME. Date of VOR/DME implementation was not supplied.</p> <p>A new Doppler VOR will be installed at the Asunción Airport in the second semester of 2014 the VOR currently installed in Asunción Airport it is foreseen to be installed at Mariscal Estigaribia</p>	Paraguay		
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# OUTSTANDING DEFICIENCIES

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1	2	3	4	5	6	7	8	9	10	11

**PRY Paraguay**

MET	45 SAM	Notify the RVR for CAT 1 operations (Annex 3, Part I, Chapter 4, Recommendation 4.6.3.2)	Paraguay / aeronautical meteorological stations	The RVR SGES is not in operation.	OCT/ 2006	In SGES, the equipment is out of service and the purchase of an Automatic Meteorological Station is planned, including an RVR equipment.	A	A project is being developed and is in the final process, through this project an Automatic Meteorological Station was acquired, including RVR for SGES. RVR operations are foreseen to start at Asunción and Ciudad del Este	DINAC	DEC/ 2014
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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>SUR Suriname</b>										
AGA 230 SAM	Bird Hazard (Annex 14, Vol. I, Ch. 9.5 and its Amendment No. 5, Doc 9137-AN/898, Part 3 and Doc 9332)	Suriname/All aerodromes	There is no Bird Strike Committee	NOV/ 2002	Detected during mission conducted by ICAO Secretariat	A	Establish a National Committee on Prevention of Bird Hazards "PENDING ACTION PLAN"	Suriname		
AGA 241 SAM	Physical characteristics/Object on RWY Strip (Annex 14, Vol. I, Ch. 3.3 and its Attach. A, Par. 8.2)	Suriname/Johan Adolf Pengel Aerodrome	Presence of a concrete box 130 cm long, 120 cm wide and 30 cm high at each side of the End 11 threshold	NOV/ 2002	Detected during mission conducted by ICAO Secretariat	B	Attend Paragraph 3.3 of Annex 14, Vol. I and Paragraph 8.2 of its Attachment A and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN"	Suriname		
AGA 242 SAM	Physical characteristics/Object in RWY strip (Annex 14, Vol. I, Ch. 3.3 and its Attach. A, Par. 8.2)	Suriname/ZANDERY/Johan Adolf Pengel Aerodrome	Presence of a concrete box 200 cm long, 60 cm wide and 20 cm high at 15 m laterally away from End 11. This box is a rigid base for a frangible vertical sign	NOV/ 2002	Detected during mission conducted by ICAO Secretariat	B	Attend Paragraphs 3.3 and 8.7 of Annex 14, Vol. I and Paragraph 8.2 of its Attachment A and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN"	Suriname		
AGA 243 SAM	Emergency/Other services (Annex 14, Vol. I, Ch. 9.3)	Suriname/ZANDERY/Johan Adolf Pengel Aerodrome	There is no Disabled Aircraft Removal Plan	NOV/ 2002	Detected during mission conducted by ICAO Secretariat	B	Develop a Disabled Aircraft Removal Plan and/or inform the ICAO SAM Office when it will be done "PENDING ACTION PLAN"	Suriname		
AGA 431 SAM	Annex 14, Vol. I, Ch. 9 & Doc 9773, Part 5	SURINAME/CAA	No disabled aircraft removal plan for int'l airports	JUN/ 2005	ICAO regular mission (30/31/MAY-01 JUN/2005, Recommended Action AGA/03 of its respective Report)	B	Provide disabled aircraft removal plans for int'l airports	CAA		
AGA 435 SAM	Doc 8733, FASID CAR/SAM-AOP	SURINAME/SMZO – PARAMARIBO/Zorg en Hoop	No RWY designation marking at RWY 29 (ANP requirement)	JUN/ 2005	ICAO regular mission (30/31/MAY-01 JUN/2005, Recommended Action AGA/07 of its respective Report)	A	Provide designation marking for RWY 29, according to	CAA		
AGA 437 SAM	Annex 14, Vol. I, Chs. 3 & 4	SURINAME/SMUP – ZANDERLY/Johan Adolf Pengel Int'l	RWY strip does not have adequate width at RWY North side (canal, ground elevation and fence on the strip)	JUN/ 2005	ICAO regular mission (30/31/MAY-01 JUN/2005, Recommended Action AGA/09 of its respective Report)	B	Eliminate obstacles & provide RWY strip 150 m wide	CAA/Airport Operator		
AGA 438 SAM	Annex 14, Vol. I, Ch. 4	SURINAME/SMUP – ZANDERLY/Johan Adolf Pengel Int'l	Trees penetrating the transitional surface, at North side of the runway	JUN/ 2005	ICAO regular mission (30/31/MAY-01 JUN/2005, Recommended Action AGA/10 of its respective Report)	A	Cut the trees leaving the transitional surface free of obstacle, at North side of the runway	CAA/ Airport Operator		

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>SUR Suriname</b>										
AIS 57 SAM	Annex 4, 17; Cap 17.1. VFR aeronautical chart (Scale, 1:500,000)	Suriname	Need for production of this serie of ICAO chart under the WGS-84 system to satisfy the lack of production of the WAC aeronautical chart.		SAM Office records.	B	Action plan 2005		Indicated State.	
AIS 136 SAM	ICAO Annex 4, Chapter 11; 11.7.2 and 11.10.6.5. Instrument Approach Charts - OACL.	Suriname	Need to include the topographic (11.7.2), and the ground profile informations (11.10.6.5) in the production of instrument approach charts - OACL.		Records SAM Office.	A	Action plan 2005 70% implemented		Indicated State	
AIS 173 SAM	Annex 15, Para. 3.2 Implementation of Quality system (QS) at the AIS	Suriname	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 services.		Relevant 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	A	Action plan 2005 Ongoing		Indicated State	
AIS 189 SAM	ANNEX 15; Chap 3, 3.2.8, and 3.2.10 Integrity of aeronautical information/data.	Suriname	Need that quality control (QC) system be implemented by the States, to ensure the required level of integrity of the aeronautical information/data issued and/or available. Application of cyclic redundancy check (CRC).		Registro Oficina SAM	A	Action plan 2005 Ongoing		Indicated States	
AIS 203 SAM	Annex 4, Chap 13, Para 13.6.1 C). Aerodrome/Heliport Chart - ICAO.	Suriname	Need for the inclusion of geoid undulation in the Aerodrome/Heliport Chart - ICAO.		Records SAM Office.	A	Action plan 2006 70% implemented		Indicated State	
AIS 278 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Suriname	Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 279 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Suriname	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records	A				

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 280 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Suriname	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				
AIS 281 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Suriname	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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1	2	3	4	5	6	7	8	9	10	11
<b>SUR Suriname</b>										
MET 47 SAM	Report the RVR for CAT 1 operations (Annex 3, Part I, Chapter 4, Recommendation 6.3.2)	Suriname / Aeronautical meteorological stations	SMJP RVR of Zandery has not been implemented.	JUN/ 1996	Plan the acquisition of RVR.	A		NCAA in coordinatin with MET Service	OCT/ 2010	
MET 59 SAM	Surface wind (Annex 3, Standard 4.1.2.1)	Suriname COM Dependency	Displays of surface wind in ATS units correspond to wind sensor installed at the top of the TWR	OCT/ 2004	Surface wind display in the surface of ATS dependencies must corresponds to the sensors of the MET station	U		NCAA in coordination with Meteorological Service	OCT/ 2010	

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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>URY Uruguay</b>										
AGA 265 SAM	Visual Aids (Doc 8733, FASID CAR/SAM - AOP)	Uruguay/SUMU-MONTEVIDEO/Carrasco Int'l Gral. Cesáreo L. Benisso	Simple approach lighting system not installed for RWY 06	MAR/ 2004	ICAO Regular Mission (05/06 AUG 2003 - Recommended Action AGA/16 of its respective Report)	A	Install the simple approach lighting system for RWY 06 "PENDING ACTION PLAN" ACTION PLAN: To be installed in 2005/2006 (Fax 075/04, 21 SEP 2004, from DINACIA)	DINACIA	2006	
AGA 266 SAM	Emergency (Annex 14, Vol. I, Ch. 9 & Doc 9173, Part 5)	Uruguay/DINACIA/All int'l airports	There are no disabled aircraft removal plans for int'l airports	MAR/ 2004	ICAO Regular Mission (05/06 AUG 2003 - Recommended Action AGA/35 of its respective Report)	B	Prepare disabled aircraft removal plans for the int'l airports "PENDING ACTION PLAN"	DINACIA		
AGA 267 SAM	Physical Characteristics (Annex 14, Vol. I, Ch. 3)	Uruguay/SUMU-MONTEVIDEO/Carrasco Int'l Gral. Cesáreo L. Benisso	The TWY does not have strips	MAR/ 2004	ICAO Regular Mission (05/06 AUG 2003 - Recommended Action AGA/36 of its respective Report)	B	Construct TWY strips "PENDING ACTION PLAN" ACTION PLAN: Construction scheduled for 2005/2006 (Fax 075/04, 21 SEP 2004, from DINACIA)	DINACIA	2006	
AGA 268 SAM	Equipment and Installations (Annex 14, Vol. I, Section 8.7 & Cap. 8 of its Appendix A)	Uruguay/SUMU-MONTEVIDEO/Carrasco Int'l Gral. Cesáreo L. Benisso	Frangible tower installed over rigid base on RWY strip (West side of RWY 19)	MAR/ 2004	ICAO Regular Mission (05/06 AUG 2003 - Recommended Action AGA/37 of its respective Report)	B	Provide frangible base for the tower "PENDING ACTION PLAN"	DINACIA		

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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>URY Uruguay</b>										
AIS	25 SAM ICAO Annex 4; Para. 2.18.2 Annex 15, 1.2.2 Vertical Reference	Uruguay	Publication of the geoid undulation as it is required.		SAM RO records. WGS 84 System Completed Completed 90% Implementation date estimated December 2015	A	Action Plan (2005) 80% implemented	Indicated State	DEC/ 2015	
AIS	58 SAM Annex 4, 17; Cap. 17.1. VFR aeronautical chart (Scale, 1:500,000)	Uruguay	Need for production of this series of ICAO chart under the WGS-84 system to satisfy the lack of production of the WAC aeronautical chart.		SAM Office records. Uruguay informed in SAM/AIM/6 meeting Implementation date Chart 1:1.000.000 expected for July 2015	B	Action plan (2005). Ongoing	Indicated State.		
AIS	79 SAM ICAO Annex 4, Chapter 3. Aerodrome Obstacle Chart - ICAO, Type A.	Uruguay	Need for effective production of Aerodrome Obstacle Chart - ICAO, Type A., concerning the following airport: Laguna del Sauce y Intl/Canasco.		SAM Office records. Se estima completar en Julio 2015	A	# Implementation Plan (2004) indicated that relevant action is being taken on the matter.	Indicated State	DEC/ 2015	
AIS	204 SAM Annex 4, Chap 13, Para 13.6.1 C). Aerodrome/Heliport Chart - ICAO.	Uruguay	Need for the inclusion of geoid undulation in the Aerodrome/Heliport Chart - ICAO.		Records SAM Office.	A	Action plan 2005 80% implemented	Indicated State	DEC/ 2015	
AIS	282 SAM ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Uruguay	Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS	283 SAM ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Uruguay	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records	A				
AIS	284 SAM ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Uruguay	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AIS FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 285 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Uruguay	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records.	A				

# OUTSTANDING DEFICIENCIES

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

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>URY Uruguay</b>										
MET 39 SAM	Compliance with the requirements of the World Meteorological Organization (WMO) with regard to qualifications and training of aeronautical meteorology (MET) personnel (Annex 3, Chapter 2, Standard 2.1.5)	Uruguay / Meteorological Watch Offices (MWO) and aerodrome meteorological offices.	Not all MET personnel complies with the requirements related to qualifications and training of WMO Publication No. 49.	JUN/ 1996	a) Review the functions and training of the aeronautical meteorologists; and b) Plan and carry out training and/or refreshment courses for aeronautical meteorological personnel requiring them.	U		DNM		
MET 102 SAM	Information for in flight aircraft- ATIS/VOLMET	Uruguay		AUG/ 2011	CNS unit should take actions	A		DINACIA		
MET 107 SAM	Windshear warnings.	Uruguay	They have not equipment.	AUG/ 2011	Acquire the systems where required.	U		DNM		
MET 108 SAM	Aeronautical climatological information (Annex 3, Chap. 8, Standard 8.1.1)	Uruguay	Climatological tables and summaries are not prepared due to the lack of personnel.	AUG/ 2011	Make efforts to count with the necessary personnel.	B		DNM		
MET 109 SAM	Special observations and repots (Annex 3, Chap. 4, Standard 4.4.2 a).	Uruguay	SPECIAL is not prepared.	AUG/ 2011	CNS unit should take actions.	A		DNM		
MET 110 SAM	Routine observations and reports (Annex 3, Chap. 8, Standard 4.3.2 a.)	Uruguay	Do not prepare MET REPORT.	AUG/ 2011	CNS unit should take actions.	A		DNM		

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AGA FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>VEN Venezuela</b>										
AGA 97 SAM	Bird Strike Hazard (Annex 14, Vol. I, Chap.9.4)	Venezuela, MARGARITA, Margarita Intl. Airport	Birds were observed within the perimeter of the airport		IATA Report of the Venezuela Airport Operational Assessment, March 05-08, 2001*	A	Create a National Bird Strike Committee and establish a wild life program "PENDING ACTION PLAN" ACTION PLAN: National Committee scheduled to be created during the 2nd semester 2007 (IP/31-GREPECAS-14/16-20 APR07)	Venezuela	DEC/ 2018	JULY 2017: State reports that Wildlife committee will be created by YE2018
AGA 130 SAM	Visual aids (Annex 14, Vol. I, Chap. 5)	Venezuela, MAIQUETIA/Simon Bolivar	No VASIS or PAPI on RWY 27	MAY/ 2002	IFALPA Annex 19 Part 3 19-3-SAM-1	A	Provide PAPI at RWY 27 "PENDING ACTION PLAN"	Venezuela	2018	Action plan for PAPI installation scheduled for the first semester of 2009  July 2017: State reports that as that RWY is restricted, they are considering the installation of PAPI by YE2018
AGA 399 SAM	Doc 8733, FASID CAR/SAM – AOP	VENEZUELA/INAC/Ma racaibo	No PAPI for RWY 27/R	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/11 of its respective Report)	B	Install PAPI for RWY 27/R "PENDING ACTION PLAN" ACTION PLAN: Acquisition, installation and PAPI evaluation planned (DOC PRE 704.05 - 06 APR 05) - (DOC PRE 4593.05 de 20 DEC 05) Rescheduled for JUL 07 (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC	DEC/ 2018	Installation of a PAPI for the second semester of 2010 is under study  JULY 2017: still open and planned for 2018
AGA 402 SAM	Doc 8733, FASID CAR/SAM – AOP	VENEZUELA/INAC/Ma rganita	No PAPI for RWY 27	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/14 of its respective Report)	B	Install PAPI for RWY 27 "PENDING ACTION PLAN" ACTION PLAN: Acquisition, installation and PAPI evaluation planned (DOC PRE 704.05 - 06 APR 05) - (DOC PRE 4593.05 de 20 DEC 05) Rescheduled for JUL 07 (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC	DEC/ 2018	Action plan for PAPI installation scheduled for the first semester of 2010  JULY 2017: State reports it will be installed by YE2018

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AGA FIELD IN THE SAM REGION

WP/16-App.B  
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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 407 SAM	Doc 8733, FASID CAR/SAM – AOP	VENEZUELA/INAC/S. A. del Táchira	RWY 17 is NINST	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/19 of its respective Report)	B	Provide RWY 17 as NPA "PENDING ACTION PLAN" ACTION PLAN: Planned provision of RWY 17 as NPA (DOC PRE 704.05 - 06 APR 05) - (DOC PRE 4593.05 de 20 DEC 05) Rescheduled for NOV 06 (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC	DEC/ 2006	Aerodrome excluded from CAR/SAM FASID, Doc. 8733. Conventional procedure for this runway is not taken into account, due to presence of natural obstacles  JULY 2017: still open. Planned RNAV approach
AGA 410 SAM	Annex 14, Vol. I, Sec. 9.3	VENEZUELA/INAC/All airports	No disabled aircraft removal plans for int'l airports	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/22 of its respective Report)	B	Develop disabled aircraft removal plans for int'l airports "PENDING ACTION PLAN" ACTION PLAN: All the international airports will be required to present their plans (DOC PRE 704.05 - 06 APR 05) - (DOC PRE 4593.05 de 20 DEC 05) Rescheduled for JUN 07 (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC	DEC/ 2018	Maiquetia and Ciudad Guayana disabled aircraft removal plans were delivered. Action plan for the remaining international airports scheduled for the first semester of 2009  July 2017: still open.
AGA 418 SAM	Annex 14, Vol. I, Ch. 3, Sec. 3.5	VENEZUELA/INAC/IA AIM	No RESA for RWY 10	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/30 of its respective Report)	A	Provide RESA for RWY 10 "PENDING ACTION PLAN" ACTION PLAN: Scheduled evaluation together with IAAIM during the certification process (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC/IAAIM	JUL/ 2018	JULY 2017: in the process of a Safety Assessment to file for exemption
AGA 423 SAM	Annex 14, Vol. I, Ch. 10	VENEZUELA/INAC/IA AIM	TWYs with pavement desegregation, distressed, vegetation in the cracks	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/35 of its respective Report)	A	Prepare project/design for TWYs maintenance/ rehabilitation "PENDING ACTION PLAN" ACTION PLAN: Pavement studies will be carried out for establishing a preventive/corrective maintenance program (DOC PRE 704.05 - 06 APR 05) - (DOC PRE 4593.05 de 20 DEC 05) Rescheduled for DEC 06 (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC/IAAIM	SEP/2006	TWYs 30% repaved. TWY repavement action plan scheduled for the first semester of 2009  July 2017: still open and under study by operator

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AGA FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AGA 425 SAM	Annex 14, Vol. I, Ch. 3, Sec. 3.5	VENEZUELA/INAC/IAAIM	RESA at RWY 28 is unlevelled	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/37 of its respective Report)	A	Level RESA at RWY 28 "PENDING ACTION PLAN" ACTION PLAN: Evaluation will be carried out and corrective actions will be taken (DOC PRE 704.05 - 06 APR 05) - (DOC PRE 4593.05 de 20 DEC 05) Rescheduled for MAR 07 (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC/IAAIM	JUL/ 2006	
AGA 428 SAM	Annex 14, Vol. I, Ch. 4	VENEZUELA/INAC/IAAIM	Open trapezoidal canal (3 m x 6 m x 1.5 m deep) on the RWY strip	DEC/ 2004	ICAO regular mission (06-09 DEC 2004, Recommended Action AGA/40 of its respective Report)	B	Provide a closing system for the trapezoidal canal on the RWY strip "PENDING ACTION PLAN" ACTION PLAN: A report with a recommendation for providing a closing system for the canal will be presented (DOC PRE 704.05 - 06 APR 05) - (DOC PRE 4593.05 de 20 DEC 05) Rescheduled for DEC 06 (DOC PRE-ORAC-4143-06, 26 SEP 06)	INAC/IAAIM	DEC/ 2018	JULY 2017: still open

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AIS FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
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IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>VEN Venezuela</b>										
AIS 80 SAM	ICAO Annex 4, Chapter 3. Aerodrome Obstacle Chart - ICAO, Type A.	Venezuela	Need for effective production of Aerodrome Obstacle Chart - ICAO, Type A., concerning the following airport: Camacas, Charallave, Margarita, Maturin, Puerto Cabello, San Antonio del Táchira y		SAM Office records.	A	Action Plan (2006) 50% implemented		Indicated State	
AIS 286 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Venezuela	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation	DEC/ 2015	SAM/RO records	A				
AIS 287 SAM	ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Venezuela	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records	A				

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE AIS FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
AIS 288 SAM	ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.	Venezuela	Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS 289 SAM	ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.	Venezuela	Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS 291 SAM	ICAO Annex 15, Chapter 3, 3.7.1 Quality Management System	Venezuela	Requirement to implement and maintain a quality management system that covers all the functions of AIS	JUN/ 2016	SAM/RO records	A				

# OUTSTANDING DEFICIENCIES

## REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE ATM FIELD IN THE SAM REGION

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>VEN Venezuela</b>										
ATM 25 SAM	Use of the aeronautical phraseology	Venezuela	In general, the use of aeronautical phraseology does not meet the required levels and is a relevant factor with regard to ATS incidents.	SEP/ 2000	ATM/SAR 02/00-SAM Meeting.	U	1. Implement a continuous training and updating plan. 2) Continuously monitor its correct use in ATS units. (E-CAR/SAM-NE ICG/2 Dic 2003). Realization of refreshment courses for ATCOs during 2004.	INAC Venezuela	JUL/ 2010	2008: A recurring training is kept in aerodrome, approach and control centre phraseology, according to the CATC capacities. 2007: Venezuela informed that a continuing process for training in the use of aeronautical phraseology for air traffic controllers has been implemented, foreseeing its solution by 2007.

# OUTSTANDING DEFICIENCIES

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

WP/16-App.B  
SAM Deficiencies  
GREPECAS/18

IDENTIFICATION			DEFICIENCY				ACTION PLAN			
ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>VEN Venezuela</b>										
MET 67 SAM	FASID Table AOP 1 (CAR/SAM III-AOP 1-39)	Caracas and Margarita	RVR assessments have not been implemented.	JUN/ 1996		A	Acquisition programmed.	INAC in coordination with the SMN	DEC/ 2009	The RVR from Caracas and Margarita are in the installation phase.
MET 68 SAM	Exchange of OPMET information (CAR/SAM ANP Basic, paras 35 to 39)	Caracas MWO and MET offices	MET offices do not have direct access to AFTN, except Maiquetia.	DEC/ 2004	Implement COM Recommendations of SIP COM/MET for CAR/SAM	A	Project for the modernization of the communications	INAC in coordination with the SMN	DEC/ 2010	The meteorological watch office has direct access to the AFTN network. Regarding the other airports it is foreseen that direct access will be available in 2010.
MET 99 SAM	FASID AOP 1 Table (CAR/SAM III-AOP 1-39)	Barcelona and Maracaibo	RVR assessments have not been implemented.	JUN 1996		A	Acquisition programmed.	INAC in coordination with SMN	DEC/ 2010	

**APPENDIX / APÉNDICE C**  
**GANDD NATIONAL COORDINATORS / COORDINADORES NACIONALES GANDD**

**CAR REGION / REGIÓN CAR**

**CAR Region GANDD Focal Points / Puntos Focales GANDD Región CAR**

<b>State</b>	<b>Estado</b>	<b>Region</b>	<b>Subregion</b>	<b>FocalPoint / Punto Focal</b>	<b>E-mail</b>
Anguilla	Anguilla	CAR	ECAR	Marcus Doller	marcus.doller@airsafety.aero;
Antigua and Barbuda (ECCAA)	Antigua y Barbuda (ECCAA)	CAR	ECAR	Donald McPhail	oecs.dca@candw.ag; dmcphail@eccaa.aero;
Aruba	Aruba	CAR	CCAR	Louis Reed	louis.reed@aruba.gov.aw
Bahamas	Bahamas	CAR	CCAR	Wendy Major Shorn Darling	wmajor.ats@gmail.com shorn.darling@bcaa.gov.bs
Barbados	Barbados	CAR	ECAR	Dianne Skeete	dianne.skeete@barbados.gov.bb
Belize	Belice	CAR	CA	Gilberto O. Torres	gtorres@civilaviation.gov.bz - giltorres65@gmail.com
British Virgin Islands	Islas Vírgenes Británicas	CAR	ECAR	Marcus Doller	marcus.doller@airsafety.aero;
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Costa Rica	Costa Rica	CAR	CA	Enio Cubilla Araya	ecubillo@dgac.go.cr;
Cuba	Cuba	CAR	CCAR	Orlando Nevot González	orlando.nevot@iacc.avianet.cu
Curaçao	Curaçao	CAR	CCAR	Sujaine Concincion- Quirindongo	sujaine.quirindongo@gobiernu.cw
Dominican Republic	República Dominicana	CAR	CCAR	Johann Estrada Pelletier	<a href="mailto:jestrada@idac.gov.do">jestrada@idac.gov.do</a>
El Salvador	El Salvador	CAR	CA	Mauricio E. Rivas Rodas	navegacion-aerea@aac.gov.sv
French Antilles	Antillas Francesas	CAR	ECAR	Mr. Olivier Jouans	olivier.jouans@aviation-civile.gouv.fr
Grenada (ECCAA)	Grenada (ECCAA)	CAR	ECAR	Donald McPhail	oecs.dca@candw.ag; dmcphail@eccaa.aero;
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Haiti	Haití	CAR	CCAR	Jacques Boursiquot	jacboursiquot@yahoo.com;
Honduras	Honduras	CAR	CA	Yalena Bonilla	yalenab@yahoo.com
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Mexico	Mexico	CAR	MEX	Agustín Cano Galván	acanogal@sct.gob.mx
Montserrat	Montserrat	CAR	ECAR	Marcus Doller	marcus.doller@airsafety.aero
Netherlands (Bonaire, Sint Eustatius and Saba Islands)	Países Bajos (Bonaire, Sint Eustatius e Islas Saba)	CAR	ECAR	Dick de Saint-Aulaire	dick.de.saint-aulaire@ilent.nl;
Nicaragua	Nicaragua	CAR	CA	Carlos Salazar	dg@inac.gob.ni
Saint Kitts and Nevis (ECCAA)	San Kitts y Nevis (ECCAA)	CAR	ECAR	Donald McPhail	oecs.dca@candw.ag; dmcphail@eccaa.aero;
Saint Lucia (ECCAA)	Santa Lucía (ECCAA)	CAR	ECAR	Donald McPhail	oecs.dca@candw.ag; dmcphail@eccaa.aero;
Saint Vincent and the Grenadines (ECCAA)	San Vicente y las Granadinas (ECCAA)	CAR	ECAR	Donald McPhail	oecs.dca@candw.ag; dmcphail@eccaa.aero;

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**CAR Region GANDD Focal Points / Puntos Focales GANDD Región CAR**


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<b>State</b>	<b>Estado</b>	<b>Region</b>	<b>Subregion</b>	<b>FocalPoint / Punto Focal</b>	<b>E-mail</b>
Sint Maarten	Sint Maarten	CAR	ECAR	Louis Halley	Louis.Halley@sintmaartengov.org
Trinidad and Tobago	Trinidad y Tabago	CAR	ECAR	Randy Gomez	rgomez@caa.gov.tt
Turks and Caicos	Islas Turcas y Caicos	CAR	CCAR	Thomas Swann	tswann.caa@tcway.tc; pforbes.caa@tcway.tc; cad@tcway.tc
United Kingdom	Reino Unido	CAR		Muhammad Abdul-Mutakabbir	Muhammad.Abdul- Mutakabbir@df.gsi.gov.uk
United States	Estados Unidos	CAR	ECAR	Michelle Westover	michelle.westover@faa.gov
COCESNA	COCESNA	CAR	CA	Juan Carlos Trabanino	Jtrabanino@cocesna.org

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**SAM REGION / REGIÓN SAM**

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Argentina	Lic. Mariana Fernandez Diseñadora de procedimiento de vuelo	Tel: +54911 59413000, Int. 69740 E-mail: mafernandez@anac.gov.ar
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