



Agenda Item 3: NOTAM contingency plans, AIM deficiencies and ICARD system

NOTAM contingency plans, AIM deficiencies and ICARD system

(Presented by the Secretariat)

SUMMARY	
This working paper presents information on the status of implementation of NOTAM Contingency Plans in the SAM Region, and on AIM deficiencies in the States.	
REFERENCES	
<ul style="list-style-type: none"> • Annex 15 to the Convention on International Civil Aviation • GREPECAS/12, Conclusion 12/99 • SAM/AIM multilateral meetings 	
<i>ICAO strategic objectives:</i>	<i>A - Safety</i> <i>B – Air navigation capacity and efficiency</i> <i>E – Environmental protection</i>

1. **Background**

1.1 The Regional Catalogue of SAM NOTAM Contingency Plans is regularly updated at SAM/AIM meetings. The last update of the information is shown in **Appendix A** to this working paper.

1.2 Furthermore, AIM deficiencies have been reviewed and action plans to resolve deficiencies have been updated.

2. **Discussion**

NOTAM contingencies

2.1 SAM States that already have their respective NOTAM Contingency Plans are listed in **Appendix B** to this working paper, which shows the status of implementation as reported at the last SAM/AIM meeting. It is expected that those States that have not met this GREPECAS requirement will do so at this Meeting.

2.2 The SAM/AIM/11 meeting noted that the contingency plans between Chile and Paraguay and between Peru and Venezuela had not been endorsed by the authorities yet. Therefore, they could not be officially included in the Regional Catalogue. Paraguay noted that all the documentation had been sent to Chile and were expecting to sign the agreement in the next few months. Venezuela would make contact with the authorities of Peru to design the contingency plan, since they already had the authorisation of the

authorities of their States.

2.3 Chile and Paraguay, as well as Peru and Venezuela reported on the action taken to finalise these NOTAM contingency plans.

2.4 According to Appendix B, both Venezuela and Paraguay were able to confirm the implementation of their plans with Peru and Chile, respectively.

2.5 The NOTAM contingency plan is subject to periodic revision. Modifications will be made following coordination between the parties and after they agree that modifications will be effective 30 days after their date of approval. The States could report on the revisions they wish to introduce, and on the action taken since the SAM/AIM/11 meeting in the context of these plans.

AIM deficiencies

2.6 Regarding deficiencies, despite those resolved at SAM/AIM meetings, deficiencies still persist in some States, especially those related to the implementation of e-TOD and AIM/QMS. This is reflected in the analysis conducted by GREPECAS and Headquarters through safety audits.

2.7 Corrective action plans presented by the States, with some few exceptions, show a mismatch between the implementation dates and compliance thereof. Those that generate more concern are the unresolved endemic deficiencies that exist in the system since the early 2000's. The Meeting could analyse real, feasible options for resolving these deficiencies so as not to have to analyse them year after year. The Meeting could formulate a conclusion in this regard.

2.8 **Appendix C** to this working paper contains updated information on AIM deficiencies in SAM States.

3. Suggested action

3.1 Based on the above, the Meeting is invited to:

- a) update the relevant information in Appendices A and B to this working paper regarding NOTAM contingency plans;
- b) sign letters of agreement on NOTAM contingencies between those States that have so agreed;
- c) request those States with GANDD AIS deficiencies contained in Appendix C to submit an action plan for their urgent resolution; and
- d) analyse other actions related to the topics analysed.

APÉNDICE / APPENDIX A

Catálogo de los Planes de Contingencia NOTAM de la Región SAM
Catalogue of NOTAM Contingency Plans in the SAM Region

Fecha: 27 de abril de 2018
Date: 27 April 2018

Estado/ State	Estado de respaldo/ Backup State	Situación / Status		Punto de Contacto/ Contact Point	Descripción general de facilidades y servicios que garantizan la continuidad / General description of facilities and services available which ensure continuity	Banco NOTAM NOTAM Bank
		Borrador/ Draft	Final			
1	2	3	4	5	6	7
Argentina	Uruguay		X	NOF Ezeiza Tel: 541 4480 2294 Fax: 541 4480 2260 Email: nofezeiza@anac.gob.ar NOF Montevideo Tel: 5982 6040067 Email: ais@adinet.com.uy	AFS, Tel/Fax, REDDIG, Internet	AMHS
Bolivia	Perú		X	NOF La Paz Tel: 5912 2316686 Email : ais@aasana.bo NOF Lima Tel: 511 2301288 –2301172 – 51 978471875 Email: fvasquez@corpac.gob.pe nofperu@corpac.gob.pe aislima@corpac.gob.pe	AFS, Tel, REDDIG, Internet	
Brasil/Brazil				NOF Brasil Tel/Fax: 5521 21016976 Email: nofbrazil@decea.gov.br	Tel, Fax, Internet	SISNOTAM

Estado/ State	Estado de respaldo/ Backup State	Situación / Status		Punto de Contacto/ Contact Point	Descripción general de facilidades y servicios que garantizan la continuidad / General description of facilities and services available which ensure continuity	Banco NOTAM NOTAM Bank
		Borrador/ Draft	Final			
1	2	3	4	5	6	7
Chile	Ecuador		X	NOF Chile Tel: 562 28364033 Email: nofchile@dgac.gob.cl NOF Guayaquil Tel: 5934 2285661 – 5934 2282017 Email: nof_ecuador@dgac.gob.ec	AFS, Tel/Fax, REDDIG, Internet	IAT-WIN
Colombia				NOF Bogotá Tel: 571 2962991 Email: ais@aerocivil.gov.co ; solicitudes.notam@aerocivil.gov.co		Actual Banco Web / Current Web Bank AMHS
Ecuador	Chile		X	NOF Guayaquil Tel: 5934 2285661 – 5934 2282017 Email: nof_ecuador@dgac.gob.ec NOF Chile Tel: 562 28364033 Email: nofchile@dgac.gob.cl	AFS, Tel/Fax, REDDIG, Internet	IAT-WIN
Guyana	Suriname		X	NOF Guyana Telefax: 592 2612279 Tel: 592 2612269 AFS: SYCJYNYX Cable: TIMAIRPORT GUYANA Email: aisguyana@gcaa-gy.org NOF Suriname Tel: 597 0325103 Email: ais.sur@hotmail.com ais@cadsur.sr	AFS, Tel/Fax, REDDIG, Internet	AMHS

Estado/ State	Estado de respaldo/ Backup State	Situación / Status		Punto de Contacto/ Contact Point	Descripción general de facilidades y servicios que garantizan la continuidad / General description of facilities and services available which ensure continuity	Banco NOTAM NOTAM Bank
		Borrador/ Draft	Final			
1	2	3	4	5	6	7
Guyana Francesa/ French Guiana						
Panamá	Perú		X	NOF Panamá Tel: 2382 6152616 Email: ais@aeronautica.gob.pa NOF Lima Tel: 511 2301288 – 2301172 Email: fvasquez@corpac.gob.pe nofperu@corpac.gob.pe	AFS, Tel/Fax, REDDIG, Internet	AMHS AMHS
Paraguay	Chile	X	OCT/2017	NOF Asunción Tel: 59521 645952 Email: aisnof_ad@dinac.gov.py NOF Chile Tel: 562 28364033 Email: nofchile@dgac.gob.cl	AFS, Tel/Fax, REDDIG, Internet	AMHS IAT-WIN
Perú	Bolivia		X	NOF Lima Tel: 511 2301288 – 2301172 – 51 978471875 Email: fvasquez@corpac.gob.pe nofperu@corpac.gob.pe aislima@corpac.gob.pe NOF La Paz Tel: 5912 2316686 Email: ais@aasana.bo		AMHS

Estado/ State	Estado de respaldo/ Backup State	Situación / Status		Punto de Contacto/ Contact Point	Descripción general de facilidades y servicios que garantizan la continuidad / General description of facilities and services available which ensure continuity	Banco NOTAM NOTAM Bank
		Borrador/ Draft	Final			
1	2	3	4	5	6	7
Suriname	Guyana		X	NOF Suriname Tel: 597 0325103 Email: ais.sur@hotmail.com ais@cadsur.sr NOF Guyana Telefax: 592 2612279 Tel: 592 2612269 AFS: SYCJYNYX Cable: TIMAIRPORT GUYANA Email: aisguyana@gcaa-gy.org	AFS, Tel/Fax, REDDIG, Internet	AMHS
Uruguay	Argentina		X	NOF Montevideo Tel: 5982 6040067 Email: ais@adinet.com.uy NOF Ezeiza Tel 5414 480 2294 Fax 5414 480 2260 Email: nofezeiza@anac.gob.ar	AFS, Tel/Fax, REDDIG, Internet	AMHS
Venezuela	Perú	X		NOF Lima Tel: 511 2301288 – 2301172 – 51 978471875 Email: fvasquez@corpac.gob.pe nofperu@corpac.gob.pe aislima@corpac.gob.pe		

Nota/Note:

- Columna 1: Indicar Estado, Territorio u Organismo Internacional / *Indicate State, Territory or International Organization.*
- Columna 2: Indicar Estado, Territorio u Organismo Internacional con quien debe coordinarse el Plan de Contingencia del Estado citado en la Columna 1 / *Indicate State, Territory or International Organization with whom the Contingency Plan of the State mentioned in Column 1 should be coordinated.*
- Columna 3: Marcar con X en el caso que el Plan de Contingencia se encuentre en proceso para su armonización con el Estado en cuestión / *Mark with an X in case the Contingency Plan is in process for its harmonization with the referred State.*
- Columna 4: Marcar con X en el caso que el Plan de Contingencia se encuentre armonizado con el Estado en cuestión / *Mark with an X in case the Contingency Plan is in process for its harmonization with the referred State.*
- Columna 5: Indicar cargo del Punto de Contacto y medio de comunicación a utilizar en caso de ser necesario / *Indicate position of the Point of Contact and communications means to be used, if necessary.*
- Columna 6: Indicar cuáles son, en general, las facilidades y los servicios disponibles mientras el Plan de Contingencia se encuentra activado / *Indicate which are, in general, the facilities available services while the Contingency Plan is activated.*
- Columna 7: Banco NOTAM / *NOTAM Bank.*

APÉNDICE / APPENDIX B

ESTADO DE IMPLANTACIÓN DE PLANES DE CONTINGENCIA NOTAM EN LA REGIÓN SAM <i>STATUS OF IMPLEMENTATION OF CONTINGENCY NOTAM PLANS IN THE SAM REGION</i>			
PLANES EN GESTIÓN <i>ONGOING PLANS</i>	PLANES VIGENTES <i>VALID PLANS</i>	ESTADOS NO INICIADOS <i>STATES WHICH HAVE NOT INITIATED</i>	BANCO NOTAM <i>NOTAM BANK</i>
	ARGENTINA/URUGUAY		AMHS
		BRASIL/ <i>BRAZIL</i>	SISNOTAM
	BOLIVIA/PERU		AMHS
	PERU/PANAMA		AMHS
		COLOMBIA	ACTUAL BANCO WEB <i>CURRENT WEB BANK</i> AMHS Sep/2010
	CHILE/ECUADOR		IAT-WIN
	ECUADOR/CHILE		AMHS
	GUYANA/SURINAME		AMHS
	SURINAME/GUYANA		AMHS
PARAGUAY			AMHS
	PANAMÁ/PERU		AMHS
	PERU/BOLIVIA		AMHS.
	URUGUAY/ARGENTINA		SISNOTAM
VENEZUELA			

Fecha de actualización: 01 setiembre 2017
Updating date: 01 September 2017

OUTSTANDING DEFICIENCIES

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

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
ARG Argentina										
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 series 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				

OUTSTANDING DEFICIENCIES

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

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 AIS FIELD IN THE SAM REGION

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
BOL Bolivia										
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

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

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 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				

OUTSTANDING DEFICIENCIES

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

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 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

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

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
BRA Brasil										
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				

OUTSTANDING DEFICIENCIES

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

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
CHL Chile										
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				

OUTSTANDING DEFICIENCIES

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

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				

OUTSTANDING DEFICIENCIES

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

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
COL Colombia										
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				

OUTSTANDING DEFICIENCIES

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

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 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				

OUTSTANDING DEFICIENCIES

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

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
ECU Ecuador										
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				

OUTSTANDING DEFICIENCIES

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

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				

OUTSTANDING DEFICIENCIES

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

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
GUY Guyana										
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. 1/1000,000 WAC sectional for SYGC by July 2019	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. Guyana AIP ENR 6-1. To add AMA for off airway. Next AMDT- Apr.25 2019. Currently, 90 % implemented	Indicated State	OCT/ 2019	
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. 90% Completed. To insert geoid undulation information on AD Chart. Next AIP AMDT Apr.25 2019.	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 QMS Manual developed for AIS/MAP-Oct. 2018 To be approved and implemented in May 2019	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 tyhe implementation of QMS-AIS	A	Action plan 2004 action should be taken as required QMS Manual developed for AIS/MAP-Oct. 2018 To be approved and implemented in May 2019	Indicated States	2012	pending the implementation of QMS Email Guyana 29/june/2011

OUTSTANDING DEFICIENCIES

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

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. To implement automated AIS Systems with new AIXM Software. Acquisition of system in progress. Probably for August, 2019	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				

OUTSTANDING DEFICIENCIES

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

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				

OUTSTANDING DEFICIENCIES

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

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										
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 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				
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				

OUTSTANDING DEFICIENCIES

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

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 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				

OUTSTANDING DEFICIENCIES

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

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
PER Peru										
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 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				
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	DEC/ 2015	SAM/RO records.	A				

OUTSTANDING DEFICIENCIES

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

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
PRY Paraguay										
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				

OUTSTANDING DEFICIENCIES

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

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 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				

OUTSTANDING DEFICIENCIES

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

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
SUR Suriname										
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				

OUTSTANDING DEFICIENCIES

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

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 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				

OUTSTANDING DEFICIENCIES

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

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
URY Uruguay										
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/Camasco.		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 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

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 AIS FIELD IN THE SAM REGION

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
VEN Venezuela										
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: Caracas, 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

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 Magnagement System	Venezuela	Requirement to implement and maintain a quality management system that covers all the functions of AIS	JUN/ 2016	SAM/RO records	A				