



Agenda Item 5: NOTAM Contingency Plans, AIM deficiencies and ICARD System

**Follow-ups to NOTAM contingency plans, deficiencies in the AIM Area
and ICARD System**

(Presented by the Secretariat)

SUMMARY	
This working paper presents the follow-up to the NOTAM Contingency Plans, the resolution of ICARD problems and the review of Air Navigation Deficiencies in the AIS/ AIM area.	
REFERENCES	
<ul style="list-style-type: none">• Annex 15 to the Convention on International Civil Aviation• SAM/AIM/13 Multilateral Meetings• ICAO ICARD system	
ICAO strategic objectives:	<i>A – Safety</i> <i>B – Capacity and efficiency</i> <i>C – Environmental protection</i>

1. Background

1.1 At SAM/AIM meetings, the Regional Catalog of SAM NOTAM Contingency Plans is regularly updated. The latest update of the information is contained in **Appendix A** of this working paper.

1.2 Additionally, work has been done on reviewing the deficiencies that affect the AIM Area and in updating the Action Plans to address the deficiencies.

1.3 In addition, revisions have been made to the problem of the duplication of ICARD 5LNC codes.

2. Analysis

NOTAM Contingency

2.1 The Bolivarian State of Venezuela, until SAM/AIM/13, was the only State that did not have the NOTAM Contingency Plan. The Contingency Plans appear in **Appendix B** of this working paper, which contains the implementation status updated to the last SAM/AIM meeting.

2.2 Regarding the Contingency Plan of the State of Venezuela, during SAM/AIM/13 the State reported that the Draft Cooperation Agreement between the States of Venezuela and Peru had been

approved by the INAC Air Navigation Management. However, the INAC Legal Consultancy had objected that all the requirements established in Clause 8.1 (internet, telephone with international outlets, among others) should be implemented first, and then proceed to the signing of the agreement.

2.3 Likewise, during the virtual mission to Bolivia, it was noted that the agreement with Peru needed to be updated.

ICARD system

2.4 On this topic, the SAM/AIM/13 meeting discussed duplication and other issues related to the ICARD database codes.

2.5 The Meeting took note of the problems identified in the ICARD database, based on the analysis carried out by the Secretariat, and agreed to take action for their resolution in the short and medium term.

2.6 The SAM/AIM/13 meeting took note of the efforts made by Brazil to solve code duplicates, triplicates, and omissions in the ICARD, among others.

2.7 In turn, Peru reported that it had identified 16 duplicate ICARD points on ATS routes, 5 of which were in the Iquitos TMA. Peru planned to solve these issues through the amendment that would enter into force in November 2020.

2.8 The Secretariat recalled the plan outlined at the SAM/AIM/13 meeting to reduce ICARD issues in the SAM Region by 80% by 2022.

2.9 The Secretariat has processed a large number of amendments, involving the processing and approval of requests for new codes, amendments and deletion of several 5LNCs, and recognises the immense amount of work being done to address the shortcomings, acknowledging the results achieved.

2.10 However, the Secretariat has identified two issues in these processes that have not been resolved, namely:

- Verification of phonetic similarity within 500NM; and
- Prior agreement between the States involved when a 5LNC code related to an FIR boundary waypoint is introduced, amended or deleted.

Air navigation deficiencies

2.11 The AIS/AIM area still maintains some deficiencies in the Air Navigation Deficiency Database. The deficiencies, by State, are listed in **Appendix C**.

2.12 States should provide updates to their action plans to solve these deficiencies.

3. Suggested action

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

- a) update relevant information in Appendices A and B of this working paper regarding NOTAM contingency plans;

- b) sign letters of agreement on NOTAM contingencies between States that have approved them;
- c) report on the action taken to reduce issues of the ICARD system;
- d) update the corrective action plans for the remaining deficiencies in the GANDD; and
- e) consider other actions concerning the issues addressed.

- END -

APÉNDICE / APPENDIX

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

Fecha: 02 de junio de 2020
Date: 02 June 2020

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 2301419 +511 2301416 +51 978471875 Email: nofperu@corpac.gob.pe aislima@corpac.gob.pe aislimaperu@gmail.com	AFS, Tel, REDDIG, Internet	
Brasil/Brazil				NOF Brasil Tel: 5521 21016976 Email: nofbrazil@decea.gov.br	Tel, Internet	CRONOS y 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 2924940 Email: nof_ecuador@aviacioncivil.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 2316 Email: ais@aeronautica.gob.pa NOF Lima : +511 2301419 +511 2301416 +51 978471875 Email: nofperu@corpac.gob.pe aislima@corpac.gob.pe aislimaperu@gmail.com	AFS, Tel/Fax, REDDIG, Internet	AMHS AMHS
Paraguay	Chile		X	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 AFS, Tel/Fax, REDDIG, Internet	AMHS IAT-WIN

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
Perú	Bolivia		X	NOF Lima Tel: : +511 2301419 +511 2301416 +51 978471875 Email: jcaranza@corpac.gob.pe nofperu@corpac.gob.pe aislima@corpac.gob.pe aislimaperu@gmail.com NOF La Paz Tel: 5912 2316686 Email: ais@asana.bo		AMHS
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

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
Venezuela	Perú	X		NOF Lima Tel: : +511 2301419 +511 2301416 +51 978471875 Email: nofperu@corpac.gob.pe aislima@corpac.gob.pe aislimaperu@gmail.com		

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

Fecha de actualización: 15 Mayo 2020

Updating date: 15 May 2019

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 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 Proyect 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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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 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
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.

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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 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	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 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 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				

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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
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				

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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
CHL Chile										
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 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
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. Rrequirements 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 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
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 surfaces.	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 series 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. Instruments 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 - OACI.		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 developped 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 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
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. Omo.	DEC/ 2015	SAM/RO records.	A				
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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				

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 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.

DEC/ 2015

SAM/RO records.

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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.

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 surfaces.

DEC/ 2015

SAM/RO records.

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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 series 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				

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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 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				
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 surfaces.	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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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/Carrasco.		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				

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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 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

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 Valencia.		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 surfaces.	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				