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**Agenda Item 4: NOTAM Contingency Plans, AIM deficiencies and ICARD system**

**NOTAM Contingency Plans, deficiencies in the AIM area and ICARD System**

(Presented by the Secretariat)

<b>SUMMARY</b>	
This working paper presents information on the status of implementation of NOTAM contingency plans in the SAM Region, current deficiencies of the States in the AIM area and follow-on with the issues regarding the duplication of 5LNC codes of ICARD system, which started in SAM/AIM/7.	
<b>REFERENCES</b>	
<ul style="list-style-type: none"><li>• Annex 15 to the Convention of International Civil Aviation</li><li>• GREPECAS/12, Conclusion 12/99</li><li>• SAM/AIM Multilateral Meetings</li></ul>	
<b>ICAO Strategic Objectives</b>	<i>A – Safety</i> <i>B – Capacity and Air Navigation Efficiency</i> <i>E – Environmental protection</i>

1. **Background**

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

1.2 Also, in SAM/AIM meetings the different problems related with ICARD System as well as duplication, triplication of points and other issues affecting ICARD database have been analysed.

1.3 Work has also been developed in the review of the deficiencies affecting AIM Area and the update of the Action Plans to correct the deficiencies.

2. **Analysis**

**NOTAM Contingency**

2.1 The States of the SAM Region that already have their corresponding NOTAM Contingency Plans are presented in **Appendix B** to this working paper, including the implementation

status updated in the last SAM/AIM meeting. It is expected that States that have not yet complied with this GREPECAS requirement, complete it at this Meeting.

2.2 During the SAM/AIM/10 meeting, the delegation of Venezuela reported they had initiated contacts with Peru to establish the NOTAM Contingency Plan with this State. So far, Chile has informed that the intention of Paraguay and Chile to implement a NOTAM Contingency Plan had no progress.

2.3 In accordance with Appendix B both, Venezuela and Paraguay could confirm the implementation of their Plans with Peru and Chile respectively.

2.4 The NOTAM Contingency Plan is subject to periodic revisions. Modifications that may be required will be done previous coordination among the parties, and it has been agreed that such modifications will be in force not before 30 days since the date of its approval.

### **Deficiencies in the AIM**

2.5 Regarding the deficiencies reported in the AIM area, it has been verified that States have progressed in relation with the last meeting, although some States have recurring deficiencies for several years without any actions to correct them. This originates a great concern in GREPECAS and HQ and is subsequently reflected in safety audits.

2.6 Since SAM/AIM/7 meeting to date, the presentation of Corrective Action Plans for recurring deficiencies has been requested. During PPRC/4 meeting the problem of unresolved deficiencies remaining in the GANDD for years has been analyzed.

2.7 The Corrective Action Plans presented by States, with the exception of some, present a gap between the dates of implementation and the compliance with them. The most worrisome are the recurring deficiencies included in the system since the beginning of 2000, still without solution. The Meeting could study realistic and feasible alternatives to correct these deficiencies so that they are not analyzed year after year.

2.8 The update of valid deficiencies in the AIM area for the SAM Region States is presented in **Appendix C** to this working paper.

### **ICARD System**

2.9 The SAM/AIM/6 meeting decided to implement a first phase of debugging, assignment and validation of 5LNC designators, which should have been completed by **1<sup>st</sup> March 2015**, regarding the duplicity of ICARD codes.

2.10 Since SAM/AIM/7, the extent of the changes necessary in the ICARD system to avoid duplication of codes was assessed, as well as the processes to take into account, and it was concluded that the most appropriate target date for the publication of an **AIP Supplement** or an **AIP Amendment**, should be **23 July 2015**.

2.11 In the referred meeting, the following was indicated by the States:

- ✓ **Argentina:** Implemented the amendment on 13 October 2016.
- ✓ **Brazil:** SAM/IG is discussing the issue informally.
- ✓ **Chile:** Did not generated the amendment. Will review.

- ✓ **Paraguay:** Did not made the amendment.
- ✓ **Uruguay:** Implemented the amendment on 10 December 2015.
- ✓ **Guyana:** Requested the list provided by IATA in SAM/AIM/6 to work in the amendments, if there were duplicated points or phonetic similarity within the FIR Georgetown.
- ✓ **Suriname:** Requested the list provided by IATA in SAM/AIM/6 to work in the amendments, if there were duplicated points or phonetic similarity within the FIR Paramaribo.

2.12 The Meeting agrees with the Secretariat that the postponement of the amendments could have an effect on a safety problem that could result in other consequences in air operation. The duplication of points, as well as the existence of points with phonetic similarity, could cause unexpected situations during an air operation. For these reasons, the commitment of the AIM is essential in order to review these waypoints, which are repeated or with similar phonetics, and thus cooperate with safety.

2.13 It is important to mention that HQ is working with the problems identified in order to have **only one Database** and avoid all duplicate waypoints or the closeness of codes with similar phonetics.

2.14 The Meeting should take into account that it is very important to eliminate the code that is no more in use of the database and report this situation to the Regional Office for the corresponding validation.

3. **Suggested action:**

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

- a) update the corresponding information in Appendices A and B of this working paper, regarding NOTAM Contingency Plans;
- b) sign Letters of Agreement on NOTAM contingency between the States that so approved;
- c) request States with AIS deficiencies in the GANDD included in Appendix C, to present an action plan for their urgent correction; and
- d) inform on the issuance of the AIC/Amendment AIP, to correct the duplicate codes of the ICARD system in the SAM Region in the date established.

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## APÉNDICE / APPENDIX A

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

**Fecha:** 01 de septiembre de 2017  
**Date:** 01 September 2017

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
<b>Argentina</b>	Uruguay		X	NOF Ezeiza Tel: 541 4480 2294 Fax: 541 4480 2260 Email: <a href="mailto:nofezeiza@anac.gob.ar">nofezeiza@anac.gob.ar</a>  NOF Montevideo Tel: 5982 6040067 Email: <a href="mailto:ais@adinet.com.uy">ais@adinet.com.uy</a>	AFS, Tel/Fax, REDDIG, Internet	AMHS
<b>Bolivia</b>	Perú		X	NOF La Paz Tel: 5912 2316686 Email: <a href="mailto:ais@asana.bo">ais@asana.bo</a>  NOF Lima Tel: 511 2301288 –2301172 – 51 978471875 Email: <a href="mailto:fvasquez@corpac.gob.pe">fvasquez@corpac.gob.pe</a> <a href="mailto:nofperu@corpac.gob.pe">nofperu@corpac.gob.pe</a> <a href="mailto:aislima@corpac.gob.pe">aislima@corpac.gob.pe</a>	AFS, Tel, REDDIG, Internet	
<b>Brasil/Brazil</b>				NOF Brasil Tel/Fax: 5521 21016976 Email: <a href="mailto:nofbrazil@decea.gov.br">nofbrazil@decea.gov.br</a>	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
<b>Chile</b>	Ecuador		X	NOF Chile Tel: 562 28364033 Email: <a href="mailto:nofchile@dgac.gob.cl">nofchile@dgac.gob.cl</a>  NOF Guayaquil Tel: 5934 2285661 – 5934 2282017 Email: <a href="mailto:nof_ecuador@dgac.gob.ec">nof_ecuador@dgac.gob.ec</a>	AFS, Tel/Fax, REDDIG, Internet	IAT-WIN
<b>Colombia</b>				NOF Bogotá Tel: 571 2962991 Email: <a href="mailto:ais@aerocivil.gov.co">ais@aerocivil.gov.co</a> ; <a href="mailto:solicitudes.notam@aerocivil.gov.co">solicitudes.notam@aerocivil.gov.co</a>		Actual Banco Web / Current Web Bank AMHS
<b>Ecuador</b>	Chile		X	NOF Guayaquil Tel: 5934 2285661 – 5934 2282017 Email: <a href="mailto:nof_ecuador@dgac.gob.ec">nof_ecuador@dgac.gob.ec</a>  NOF Chile Tel: 562 28364033 Email: <a href="mailto:nofchile@dgac.gob.cl">nofchile@dgac.gob.cl</a>	AFS, Tel/Fax, REDDIG, Internet	IAT-WIN
<b>Guyana</b>	Suriname		X	NOF Guyana Telefax: 592 2612279 Tel: 592 2612269 AFS: SYCJYNYX Cable: TIMAIRPORT GUYANA Email: <a href="mailto:aisguyana@gcaa-gy.org">aisguyana@gcaa-gy.org</a>  NOF Suriname Tel: 597 0325103 Email: <a href="mailto:ais.sur@hotmail.com">ais.sur@hotmail.com</a> <a href="mailto:ais@cadsur.sr">ais@cadsur.sr</a>	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
<b>Guyana Francesa/ French Guiana</b>						
<b>Panamá</b>	Perú		X	NOF Panamá Tel: 2382 6152616 Email: <a href="mailto:ais@aeronautica.gob.pa">ais@aeronautica.gob.pa</a>  NOF Lima Tel: 511 2301288 – 2301172 Email: <a href="mailto:fvasquez@corpac.gob.pe">fvasquez@corpac.gob.pe</a> <a href="mailto:nofperu@corpac.gob.pe">nofperu@corpac.gob.pe</a>	AFS, Tel/Fax, REDDIG, Internet	AMHS  AMHS
<b>Paraguay</b>	Chile	X	OCT/2017	NOF Asunción Tel: 59521 645952 Email: <a href="mailto:aisnof_ad@dinac.gov.py">aisnof_ad@dinac.gov.py</a>  NOF Chile Tel: 562 28364033 Email: <a href="mailto:nofchile@dgac.gob.cl">nofchile@dgac.gob.cl</a>	AFS, Tel/Fax, REDDIG, Internet  AFS, Tel/Fax, REDDIG, Internet	AMHS  IAT-WIN
<b>Perú</b>	<b>Bolivia</b>		X	NOF Lima Tel: 511 2301288 – 2301172 – 51 978471875 Email: <a href="mailto:fvasquez@corpac.gob.pe">fvasquez@corpac.gob.pe</a> <a href="mailto:nofperu@corpac.gob.pe">nofperu@corpac.gob.pe</a> <a href="mailto:aislima@corpac.gob.pe">aislima@corpac.gob.pe</a>  NOF La Paz Tel: 5912 2316686 Email: <a href="mailto:ais@asana.bo">ais@asana.bo</a>		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
<b>Suriname</b>	Guyana		X	NOF Suriname Tel: 597 0325103 Email: <a href="mailto:ais.sur@hotmail.com">ais.sur@hotmail.com</a> <a href="mailto:ais@cadsur.sr">ais@cadsur.sr</a>  NOF Guyana Telefax: 592 2612279 Tel: 592 2612269 AFS: SYCJYNYX Cable: TIMAIRPORT GUYANA Email: <a href="mailto:aisguyana@gcaa-gy.org">aisguyana@gcaa-gy.org</a>	AFS, Tel/Fax, REDDIG, Internet	AMHS
<b>Uruguay</b>	<b>Argentina</b>		X	NOF Montevideo Tel: 5982 6040067 Email: <a href="mailto:ais@adinet.com.uy">ais@adinet.com.uy</a>  NOF Ezeiza Tel 5414 480 2294 Fax 5414 480 2260 Email: <a href="mailto:nofezeiza@anac.gob.ar">nofezeiza@anac.gob.ar</a>	AFS, Tel/Fax, REDDIG, Internet	AMHS
<b>Venezuela</b>	Perú	X		NOF Lima Tel: 511 2301288 – 2301172 – 51 978471875 Email: <a href="mailto:fvasquez@corpac.gob.pe">fvasquez@corpac.gob.pe</a> <a href="mailto:nofperu@corpac.gob.pe">nofperu@corpac.gob.pe</a> <a href="mailto:aislima@corpac.gob.pe">aislima@corpac.gob.pe</a>		

**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

<b>ESTADO DE IMPLANTACIÓN DE PLANES DE CONTINGENCIA NOTAM EN LA REGIÓN SAM</b> <i>STATUS OF IMPLEMENTATION OF CONTINGENCY NOTAM PLANS IN THE SAM REGION</i>			
<b>PLANES EN GESTIÓN</b> <i>ONGOING PLANS</i>	<b>PLANES VIGENTES</b> <i>VALID PLANS</i>	<b>ESTADOS NO INICIADOS</b> <i>STATES WHICH HAVE NOT INITIATED</i>	<b>BANCO NOTAM</b> <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

WP/15-App.C  
SAM Deficiencies  
SAM/AIM/11

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

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WP/15-App.C  
SAM Deficiencies  
SAM/AIM/11

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

WP/15-App.C  
SAM Deficiencies  
SAM/AIM/11

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

# OUTSTANDING DEFICIENCIES

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

WP/15-App.C  
SAM Deficiencies  
SAM/AIM/11

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

WP/15-App.C  
SAM Deficiencies  
SAM/AIM/11

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

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WP/15-App.C  
SAM Deficiencies  
SAM/AIM/11

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

# OUTSTANDING DEFICIENCIES

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

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

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

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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				

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

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

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

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

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

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

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

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

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

AIS	277 SAM	ICAO Annex 15, Chapter 10, 10.1.6 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	Needs to provide electronic obstacles data for aerodromes regularly used by international civil aviation for: a) Area 2a for those obstacles that penetrate the relevant obstacle data collection surface specified in Appendix 8; b) objects in the take-off flight path area which project above a plane surface having a 1.2 per cent slope and having a common origin with the take-off flight path area; and c) penetrations of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				
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ID	Requirements	States/facilities	Description	Date first reported	Remarks	Priority	Description	Executing body	Date of completion	Remarks
1	2	3	4	5	6	7	8	9	10	11
<b>PRY Paraguay</b>										
AIS	38 SAM Annex 15; 3.6.1 English language	Paraguay	Requirement to use English for plain language texts in AIS publications		SAM RO Records. P/DINAC 1302/2011 Implementation is expected in August 2012.	A	Action Plan (2006) Action Plan completion August 2012	DINAC	APR/ 2015	Implementation planned in August 2012 P/DINAC nro 1302/2011 EXP DINAC Nro. 002168/11 Correcting action plan implemented 90%
AIS	270 SAM ICAO Annex 15, Chapter 10, 10.1.3 Electronic terrain data shall be provided for Area 1.		Need to provide the obstacle located in the Area 1 higher than 100 m above ground	DEC/ 2015	SAM/RO records.	A				
AIS	271 SAM ICAO Annex 15, Chapter 10, 10.1.4 At aerodromes regularly used by international civil aviation, electronic obstacle data shall be provided for all obstacles within Area 2 that are assessed as being a hazard to air navigation.		Need to provide electronic obstacle data located inside of area 2 for aerodrome regularly used by international civil aviation	DEC/ 2015	SAM/RO records.	A				
AIS	272 SAM ICAO Annex 15, Chapter 10, 10.1.5 At aerodromes regularly used by international civil aviation, electronic terrain data shall be provided for: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	Paraguay	Need to provide electronic terrain data for aerodromes regularly used by international civil aviation for the following areas: a) Area 2a; b) the take-off flight path area; and c) an area bounded by the lateral extent of the aerodrome obstacle limitation surfaces.	DEC/ 2015	SAM/RO records.	A				

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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				

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

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

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

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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				

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1	2	3	4	5	6	7	8	9	10	11
<b>VEN Venezuela</b>										
AIS	80 SAM ICAO Annex 4, Chapter 3. Aerodrome Obstacle Chart - ICAO, Type A.	Venezuela	Need for effective production of Aerodrome Obstacle Chart - ICAO, Type A., concerning the following airport: 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				

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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				