



Agenda Item 4: NOTAM Contingency Plan and AIM deficiencies

Update of the NOTAM Contingency Plans and deficiencies in the AIM area

(Presented by the Secretariat)

SUMMARY	
This working paper presents information on the status of implementation of NOTAM Contingency Plans in the SAM Region and of the corresponding Catalogue, to allow States to update the information contained therein and, if deemed appropriate, to sign letters of agreement between Administrations that have so approved. It also presents the current deficiencies of the States in the AIM area.	
Referencias:	
<ul style="list-style-type: none">• Annex 15 to the Convention on International Civil Aviation• GREPECAS/12, Conclusion 12/99• SAM/AIM Multilateral meetings	
ICAO Strategic Objectives:	<i>A – Safety</i> <i>C – Environmental Protection</i>

1 Antecedentes

1.1 The GREPECAS/12 meeting adopted Conclusion 12/99 - *Agreement on NOTAM Contingency Plans*, in which it requested States to develop their NOTAM contingency plans for Flight Information Regions (FIRs), and, to the extent possible, to enter into bilateral and/or multilateral agreements with the States/Territories and International Organisations responsible for neighbouring airspaces. Thus, they would be expected to be part of a regional NOTAM Contingency Plan, if necessary.

1.2 The SAM/AIM meetings regularly update the Regional Catalogue of SAM NOTAM Contingency Plans, which appears as last updated in October 2012 in **Appendix A** to this working paper.

2 Análisis

2.1 The requirements for the implementation of PBN and the autonomous navigation systems introduced the need for new AIS requirements to ensure the quality and timely distribution of information, so as to reduce or eliminate the possible impact of labour conflicts and natural disasters on the continuous provision of the NOTAM service, providing the necessary technical and administrative

measures and coordination and operational procedures to be adopted before, during, and after any contingency phase.

2.2 Some States of the SAM Region already have their respective NOTAM contingency plan, while others have not completed this task, as reflected in **Appendix B** to this working paper, which presents the updated status of implementation as of the latest SAM/AIM Meeting.

2.3 The NOTAM contingency plan is subject to periodic revision. Any modification required will be made in coordination among the parties, and it has been agreed that any modification made will be effective not earlier than 30 days as of the date of approval.

2.4 This Meeting is considered to be a good opportunity to make any modifications that may be required to the information on points of contact and their data, for the purpose of exchanging information, updating the status of implementation of the NOTAM contingency plans, and signing letters of agreement between the States that have so approved.

2.5 Regarding the deficiencies reported in the AIM area, it has been verified that they are still valid in some States for many years, which causes great concern to GREPECAS and Headquarters.

2.6 Considering their regional importance, States that have not yet updated their action plans should present them to this Meeting, with implementation dates to solve the deficiencies in the GANDD system. The update of the valid deficiencies in the AIM area for SAM States is presented in **Appendix C**.

3. **Suggested action:**

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

- a) update the corresponding information of Appendices A and B to this working paper;
- b) sign letters of agreement between the States that have so approved;
- c) request States with AIM deficiencies in the GANDD of Appendix C, to present an action plan for their urgent correction.

APÉNDICE / APPENDIX A

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

Fecha: 6 Noviembre 2014
Date: 6 November 2014

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	Observaciones / Remarks
		Borrador Draft	Final			
1	2	3	4	5	6	7
Argentina	Uruguay		X	NOF Ezeiza Tel: 541 4480 2294 Fax: 541 4480 2260 Email: notamezeiza@yahoo.com.ar NOF Montevideo Tel: 59826040067 Email: ais@adinet.com.uy	AFS, Tel/Fax, REDDIG, Internet	
Bolivia				NOF La Paz Tel: 5912 2316686 Email: ais@aasana.gob.bo		Fecha estimativa de Implantación: año 2012/ Estimated implementation date: 2012.
Brasil/Brazil				NOF Brasil Tel/Fax: 5561 33648353 Email: nofbrazil@cindacta1.aer.mil.br		
Chile	Ecuador		X	NOF Chile Tel: 562 8404033 Email: nofchile@dgac.cl NOF Guayaquil Tel: 5934 2285661 – 5934 2282017 Email: nof_ecuador@dgac.gob.ec	AFS, Tel/Fax, REDDIG, Internet	

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	Observaciones / Remarks
		Borrador Draft	Final			
1	2	3	4	5	6	7
Colombia				NOF Bogotá Tel: 571 2962991 Email: ais@aerocivil.gov.co; solicitudes.notam@aerocivil.gov.co		Fecha estimativa de Implantación: año 2012/ Estimated implementation date: 2012.
Ecuador	Chile		X	NOF Guayaquil Tel: 5934 2285661 – 5934 2282017 Email: nof_ecuador@dgac.gob.ec NOF Chile Tel: 562 8404033 Email: nofchile@dgac.cl	AFS, Tel/Fax, REDDIG, Internet	
Guyana	Suriname	X		NOF Guyana Telefax: 592 2612279 Tel: 592 2612269 AFS: SYCJYNYX Cable: TIMAIRPORT GUYANA Email: ais@gcaa-gy.org	AFS, Tel/Fax, REDDIG, Internet	
Guyana Francesa/ French Guiana						Información no disponible/ Information not available.
Panamá	Honduras	X		NOF Panamá Tel: 2382 6152616 Email: nof@aeronautica.gob.pa	AFS, Tel/Fax, REDDIG, Internet	Falta última prueba para la firma. Implantación Estimada Julio 2010/ Last trial is pending for signature, estimated July 2010.

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	Observaciones / Remarks
		Borrador Draft	Final			
1	2	3	4	5	6	7
Paraguay				NOF Asunción Tel: 59521 645952		
Perú				NOF Lima Tel: 511 6301288 – 6301172 Email: fvasquez@corpac.gob.pe mangeles@corpac.gob.pe jcarranza@corpac.gob.pe		Fecha estimativa de implantación: año 2012/ Estimated implementation date: 2012.
Suriname	Guyana	X		NOF Suriname Tel: 597 0325103 Email: ais.sur@hotmail.com Email: ais@cadsur.sr	AFS, Tel/Fax, REDDIG, Internet	
Uruguay	Argentina		X	NOF Montevideo Tel: 5982 6040067 Email: ais@adinet.com.uy NOF Ezeiza Tel 5414480 2294 Fax 5414480 2260 Email notamezeiza@yahoo.com.ar	AFS, Tel/Fax, REDDIG, Internet	
Venezuela						Información no disponible/ Information not available.

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: Comentarios adicionales, si los hubiera / Additional comments, if any.

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
		PERU	AMHS
		COLOMBIA	ACTUAL BANCO WEB CURRENT WEB BANK AMHS Sep/2010
	CHILE/ECUADOR		IAT-WIN
	ECUADOR/CHILE		AMHS
		PARAGUAY	AMHS
PANAMÁ			AMHS
		BOLIVIA	AMHS.
	URUGUAY/ARGENTINA		SISNOTAM

Fecha de actualización: 06 Noviembre 2014
Updating date: 06 November 2014

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.	U	1. Action Plan (2006) indicated that relevant action is being taken on the matter. NOTAM impl. 100%; AIP 30%.	Indicated State.	DEC/ 2009	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	SEP/ 2014	SAMIG/13 Completion date expected Sep. 2014

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

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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	

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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.	

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1	2	3	4	5	6	7	8	9	10	11
GUY Guyana										
AIS 54 SAM	Annex 4, 17; Cap. 17.1. VFR aeronautical chart (Scale, 1:500,000)	Guyana	Need for production of this serie of ICAO chart under the WGS-84 system to satisfy the lack of production of the WAC aeronautical chart.		SAM Office records.	B	Action plan (2004) required actions should be taken.	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 - 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.	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 dissemineted 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 tyhe implementation of QMS-AIS	A	Action plan 2004 action should be taken as required	Indicated States	2012	pending the implementation of QMS Email Guyana

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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 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

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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
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		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	

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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
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/ 2009	
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 Talara .		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	DEC/ 2012	
AIS 188	SAM ANNEX 15; Chap 3, 3.5 Protection of aeronautical information/data.	Peru	Application of cyclic redundancy check (CRC).		Registro Oficina SAM. Implementation is expected in December 2012. Peru informed in SAM/AIM/6 Meeting implementation Date August 2015	A	Action Plan (2006) Ongoing	Indicated States	DEC/ 2012	

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

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1	2	3	4	5	6	7	8	9	10	11
SUR Suriname										
AIS 57 SAM	Annex 4, 17; Cap. 17.1. VFR aeronautical chart (Scale, 1:500,000)	Suriname	Need for production of this serie of ICAO chart under the WGS-84 system to satisfy the lack of production of the WAC aeronautical chart.		SAM Office records.	B	Action plan 2005		Indicated State.	
AIS 136 SAM	ICAO Annex 4, Chapter 11; 11.7.2 and 11.10.6.5. Instrument Approach Charts - OACI.	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 - OACI.		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	

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1	2	3	4	5	6	7	8	9	10	11
URY Uruguay										
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	
AIS	58 SAM Annex 4, 17; Cap. 17.1. VFR aeronautical chart (Scale, 1:500,000)	Uruguay	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. 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	
AIS	190 SAM ANNEX 15; Chap 3, 3.3.3 and 3.5.2 Protection of aeronautical information/data.	Uruguay	Application of cyclic redundancy check (CRC).		Registro Oficina SAM	A	Action plan 2005 Ongoing		Indicated States	
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	

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	