

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
SOUTH AMERICAN OFFICE**

**SECOND MEETING OF THE INFORMAL COORDINATION GROUP OF THE EAST
CARIBBEAN AND NORTH EASTERN SOUTH AMERICA
(E-CAR/SAM-NE ICG/2)**

(Caracas, Venezuela, 1 to 5 December 2003)

Agenda Item 3: Review of AIS matters

**a) Review, and follow up on the actions adopted by the CAR/SAM
AIS/ATM/CNS 02/00 Informal Meeting, concerning the AIS matter.**

b) Follow-up of AIS deficiencies identified in the AIS area

(Presented by the Secretariat)

Summary

This working presents for the consideration of the meeting aspects concerning the review and follow-up of the actions taken by the CAR/SAM AIS/ATM/CNS 02/00 on AIS matters; as well as the follow-up of AIS deficiencies identified in the area under consideration.

References

- Report of the CAR/SAM AIS/ATM/CNS 02/00 Informal Meeting (Cayenne, 27 to 29 March 2001).

1. Introduction

1.1 As a follow-up to Conclusion 8/50 of GREPECAS/8 and through the corresponding Regional Offices, the CAR/SAM AIS/ATM/CNS 02/00 Informal Meeting was held in Cayenne, French Guyana, from 27 to 29 March 201; en such information, aspects related to the need to provide an effective follow-up to the implementation of the AIS/MAP requirements in the East Caribbean and North Eastern South America. Also, the level of implementation of the World Geodetic System-84 (WGS-84) in the referred area, was reviewed. Consequently, the AIS/ATM/CNS 02/00 Informal Meeting, and as a follow-up action to the agreements reached, agreed on the need to carry out another similar meeting during 2002.

3a) Review, and follow up on the actions adopted by the CAR/SAM AIS/ATM/CNS 02/00 Informal Meeting, concerning the AIS matter

2.1 As shown in paragraph 1.1 above, and as a result of the actions carried out by the CAR/SAM AIS/ATM/CNS 02/00 Informal Meeting, the participating States informed on the main activities carried out in the AIS field, taking knowledge on the level of updating of AIP documents; and on the degree of implementation of the WGS-84 System in the area considered by the Meeting. **Appendices A and B** (*current status of the AIPs in the East Caribbean and North Eastern South America; and Action Plan for the implementation of WGS-84 geographical coordinates, respectively*) of this working paper, two tables containing information relevant to the status of implementation of the indicated requirements, in order that the meeting may again analyse this matter, and if such were the case, take the actions that might be necessary on this matter.

2.2 In addition to the above paragraph 2.1, the CAR/SAM AIS/ATM/CNS 02/00 Informal Meeting expressed its concern on the differences that might arise during the survey of WGS-84 geographical coordinates in the FIRs boundaries of the States of the referred sub-region and, to this end, considered the need to establish a specific action plan in order to ensure that the availability of uniform WGS-84 geographical coordinates data. As a consequence, the Meeting formulated Conclusions 1/1 and 1/2, (*Survey of WGS 84 geographic co-ordinates, and Uniform publication of WGS 84 geographic co-ordinates of FIR boundaries*), as shown below:

Conclusion 1/1 - Survey of WGS 84 geographic co-ordinates

That Guyana, Suriname, Trinidad and Tobago and Venezuela do their utmost to complete the survey of WGS 84 geographic co-ordinates by the beginning of the last quarter of 2001.

Conclusion 1/2 - Uniform publication of WGS 84 geographic co-ordinates of FIR boundaries

*That, in order to ensure the uniform publication of WGS 84 geographic co-ordinates of FIR boundaries, Brazil, French Guiana, Guyana, Suriname, Trinidad and Tobago and Venezuela take the appropriate measures set forth in the action plan shown in **Appendix A** to this part of the report. (See Appendix B to this working paper).*

3b) Follow-up of AIS deficiencies identified in the AIS area

2.3 With regard to AIS deficiencies identified in the area under consideration, the CAR/SAM AIS/ATM/CNS 02/00 noted the form approved by GREPECAS on reporting of deficiencies in the AIS and MAP areas of the sub-region under analysis. On this issue, the Meeting paid particular attention on those AIS/MAP deficiencies classified as urgent priority (“U”). In order to be able to provide the users with a reliable and timely aeronautical information service, the meeting formulated Conclusion 1/3, presented below:

Conclusion 1/3 - Shortcomings and deficiencies

*That Brazil, French Guiana, Guyana, Suriname, Trinidad and Tobago and Venezuela, if they have not done so yet, take the appropriate measures to overcome AIS/MAP shortcomings and deficiencies classified as U and which appear in **Appendix B** to this part of the report. (See Appendix C to this working paper).*

2.4 In addition to the aforementioned, the Meeting should again make a review on the current status of deficiencies that may be presented in the AIS and MAP fields, in this connection, and for consideration by the Meeting, **Appendix C** (list of AIS/MAP deficiencies classified as urgent “U”), to this working paper is presented, so that the meeting, if necessary, adopt the pertinent actions on this matter.

3. Discussion

3.1 This working paper presents for its consideration matters such as “3 a) Review, and follow up on the actions adopted by the CAR/SAM AIS/ATM/CNS 02/00 Informal Meeting, concerning the AIS matter, and 3 b) Follow-up of AIS deficiencies identified in the AIS area. Consequently and based on the material presented in this working paper also including the content of Appendices A, B and C, the meeting should therefore, take due note of the AIS/MAP technical requirements contained in the actions aforementioned, which as of this date have not been met by the East Caribbean and North East South America States (Brazil, French Guyana, Guyana, Suriname, Trinidad & Tobago and Venezuela). With regard to the content of Appendices A, B and C of this working paper, the Meeting should, in addition to taking the necessary corrective actions be able to review and/or update with the corresponding remarks the content of this Appendices, based on the progress achieved on this matter.

3.2 In addition to the material presented in this working paper regarding the need for an effective implementation of the WGS-84 System in the area under consideration, it should be mentioned that there is an important topic that should be considered as part of the difficulties presented by the concerned States for a total implementation of WGS-84 in the CAR/SAM Regions. The latter is directly related with the need for the provision of detailed information on the required WGS data, taking into consideration the need that ICAO NACC and SAM Regional Offices might have detailed and reliable information on WGS-84 data published and/or to be published by the CAR/SAM Regions States; considering as well that the ICAO Doc 9674-AN/946 [Manual of the World Geodetic System – 1984 (WGS-84)], in its **Appendix G** it presents a Sample Questionnaire that could be utilized by the concerning States, to provide the mentioned ICAO Regional Offices with all the information required. Consequently the meeting should adopt the following conclusion:

CONCLUSION 2/x Provision of detailed information on WGS-84 data

That CAR/SAM States in order to ensure at a regional level full availability of information of WGS84 data, take the required measures to:

- a) provide ICAO NACC and SAM Regional Offices in printed format and/or electronically and not later than June 2004, all the information detailed and reliable on WGS-84 data published and/or to be published and to this end,

- b) utilize as reference the sample questionnaire contained in Appendix G of ICAO Doc 9674-AN/946 [Manual of the World Geodetic System – 1984 (WGS-84)].

3.3 In addition to the topic considered in this working paper, it would be advisable that the meeting might consider the convenience or not to eliminate the AIS/MAP of these type of working groups, taking into account that AIS matters considered in these type of meetings are very similar to those directly and effectively dealt with in AIS/MAP Coordination and Implementation meetings, scheduled and developed by ICAO NACC and SAM Regional Offices, unless AIS specific matters should arise, which exclusively would affect this group in particular. Consequently the meeting is requested to adopt the following conclusion:

CONCLUSION 2/x Effective treatment of AIS/MAP issues at a regional level

That with a view to provide a far reaching treatment of AIS/MAP issues, within a regional scope, as well as to avoid duplicity of efforts by the NACC and SAM Regional offices in the discussion and follow-up of similar AIS matters in different events; it is agreed that,

- a) Discussion of AIS/MAP matters of the East Caribbean and North East South America Informal Coordination Group (E CAR/SAM/NE ICG) be transferred, to be dealt in an exclusive manner directly by the AIS/MAP Coordination and Implementation meetings, regularly programmed, by the ICAO NACC and SAM Regional Offices;
- b) All possible efforts will be made by States; such as, Brazil, French Guyana, Guyana, Suriname, Trinidad & Tobago and Venezuela, to actively and effectively participate in the AIS/MAP Coordination and Implementation Meeting that are scheduled and developed, by the ICAO NACC and SAM Regional Offices; and that
- c) In case there is an AIS matter, of exclusive application for this study group, that such matter be duly documented and timely sent to the pertinent regional offices, in order to study and give it the respective attention, as required.

4. Suggested action

4.1 In the light of the information contained in this working paper the Meeting is invited to:

- a) Thoroughly review the content of this WP and its Appendices A, B, and C, taking due note all those AIS/MAP technical requirements that have not been met by the concerned States;
- b) Consider as valid Conclusions 1/1, 1/2, and 1/3 of the First E CAR/SAM/NE ICG Meeting;
- c) Adopt the actions proposed and take any other action that might be required on this matter and,
- d) Update the contents of Appendices A, B and C of this working paper.

Appendix/Apéndice A

**Current status of AIPs in the East Caribbean and North eastern
South American Sub-Region
Estado actual de las AIPs en la Sub-Región del Caribe Oriental y Nordeste Sudamericana**

States/ Estados	AIPs status/ Estados de las AIPs			
	Produced under current Annex 15 specifications/ Producida bajo las actuales especificaciones del Anexo 15	Produced under old format/ Producida bajo viejo formato	Last AIP amendment received at SAM Office/última AMD recibida en la Oficina SAM	level of updating/ Nivel de actualización
Brasil	3		30/10/03	Regular level of AIP updating/ Nivel regular de actualización
French Guiana	3		10/07/03	Regular level of AIP updating/ Nivel regular de actualización
Guyana	3		20/02/03	No regular level of AIP updating/ Nivel de actualización AIP irregular.
Suriname	3		04/10/01	No AIP updating after this indicate date / No actualización AIP posterior a la fecha indicada.
Trinidad & Tobago		3	25/01/01*	
Venezuela		3	<i>No. 77 09/09/99</i>	No AIP updating after this indicate date / No actualización AIP posterior a la fecha indicada.

* Information provided during the informal CAR/SAM AIS/ATM/CNS 02/00 meeting (Cayenne, 27-29 March 2001) / Información proporcionada durante la reunión oficiosa CAR/SAM AIS/ATM/CNS 02/00 (Cayenne, 27-29 marzo 2001).

Action Plan for co-ordination the publication of WGS-84 coordinates at the common boundaries of Brazil, French Guiana, Guyana, Suriname, Venezuela and Trinidad and Tobago FIRs

The action plan consists of three stages:

- 1) Completion of the data survey using the WGS-84 co-ordinate system.
- 2) Co-ordination among the States involved to standardise the publication of the WGS-84 co-ordinates of common FIR boundaries.
- 3) Date of publication and date of entry into force of the unified WGS-84 geographic co-ordinates.

Completion of the data survey using the WGS-84 co-ordinate system

In this phase of the action plan, the CAR/SAM States involved shall take the relevant action to complete the implementation of the WGS-84 co-ordinate system, including the data survey of FIR boundaries and reporting points. The States will specify the methodology used to convert the co-ordinates (computer conversion or survey). Once this task has been completed, the States shall send it to each of the States involved. The target date for completing this phase is **30 October 2001**, which is in keeping with Conclusion 1/1.

Co-ordination among the States involved to standardise the publication of the WGS-84 co-ordinates of common FIR boundaries

During this phase, the States will make the necessary co-ordinations via the exchange of information, e-mail, bilateral or multilateral meetings, as the case may be, to standardise the geographic data for common FIR boundaries and reporting points. The target date for completing this phase which involves the collection of standard geographic data for publication is **30 June 2002**.

Date of publication and date of entry into force of the unified co-ordinates

The standardised data on the corresponding FIR boundaries and reporting points shall be published on **5 September 2002** (AIRAC date). Said co-ordinates shall enter into force on the subsequent AIRAC date, that is, **31 October 2002**.

ACTION PLAN

PHASE		COMPLETION DATE	REMARKS
Completion of the data survey using the WGS-84 co-ordinate system		30 /10/ 01	
Co-ordination among the States involved to standardise the publication of the WGS-84 co-ordinates of common FIR boundaries		30 /06/02	
Date of publication and date of entry into force of the Unified WGS-84 geographic co-ordinates	Publication	05/09/02	
	Entry into force	31/10/02	

List of Shortcomings and Deficiencies classified as U / Lista de Carencias y Deficiencias clasificadas como U

Identification/Identificación		Shortcomings and Deficiencies/Carencias/Deficiencias				Corrective actions/Acción correctiva			
Requirements Requisitos	States/ Facilities Estados/ Instalaciones y servicios	Description Descripción	Date first reported Fecha de primera Notificación	C/D	Remarks Observaciones	Description Descripción	Executing Body Entidad ejecutora	Date of completion Fecha de finalización	P
1	2	3	4	5	6	7	8	9	10
Disposición del Cap. 4, para 4.2.9, Anexo 15; Doc. 8733 ANP, Parte VI, 3.2 Disposition of Chapter 4, 4.2.9, Annex 15; Doc. 8733, ANP, Part VI, 3.2	Trinidad y Tabago, Guyana, Suriname y/and Venezuela	Falta de actualización regular y eficaz del Documento AIP <i>Lack of continuous and efficient publication of the AIP</i>	24/10/00	D	Subgrupo AIS/MAP del GREPECAS. <i>GREPECAS AIS/MAP Subgroup</i>	Necesidad de mantener al día la información/datos aeronáuticos contenidos en los Documentos AIP <i>Need to keep updated the information/data contained in the AIP.</i>	Estados indicados <i>Indicated States</i>	En el más corto plazo posible <i>Within the least possible time</i>	U
Disposiciones 3.1.5, 3.1.6, 5.1.1.4, 5.1.1.5, del Cap. 3 y 5, Anexo 15; Doc. 8733 ANP, Parte VI, Cap. 4 Disposition on 3.1.5, 3.1.6, 5.1.1.4, 5.1.1.5, Chapters 3 and 5, Annex 15, Doc. 8733, ANP, Part IV, Chapter 4	Trinidad y Tabago, Guyana, Suriname y/and Venezuela.	Difusión oportuna de la información operacional mediante NOTAM <i>Timely Dissemination through NOTAM</i>	25/10/00	D	Subgrupo AIS/MAP del GREPECAS. <i>GREPECAS AIS/MAP Subgroup</i>	Necesidad de difusión oportuna de la información operacional mediante NOTAM. <i>Need to disseminate on time all operational information through NOTAM.</i>	Estados indicados <i>Indicated States</i>	En el más corto plazo posible <i>Within the least possible time</i>	U

<i>Identification/Identificación</i>		<i>Shortcomings and Deficiencies/Carencias/Deficiencias</i>				<i>Corrective actions/Acción correctiva</i>			
<i>Requirements</i> Requisitos	<i>States/ Facilities</i> Estados/ Instalaciones y servicios	<i>Description</i> Descripción	<i>Date first reported</i> Fecha de primera Notificación	C/D	<i>Remarks</i> Observaciones	<i>Description</i> Descripción	<i>Executing Body</i> Entidad ejecutora	<i>Date of completion</i> Fecha de finalización	P
1	2	3	4	5	6	7	8	9	10
<p>Disposición en 3.4.4 del Anexo 15 y en 2.17 del Anexo 4</p> <p>Cap. 2, Anexo 11</p> <p>Cap.2, Anexo 14, Vol. I y II</p> <p>Disposition in 3.4.4 of Annex 15 and in 2.17 of Annex 4</p> <p>Chap. 2, Annex 11</p> <p>Chap.2, Annex 14, Vol. I y II</p>	<p>Trinidad y Tabago, Guyana, Suriname y/and Venezuela</p>	<p>Falta de implantación del sistema WGS-84</p> <p><i>Lack of implementation of the WGS-84 System</i></p>	<p>01/01/98</p>	D	<p>Subgrupo AIS del GREPECAS.</p> <p>Encuesta a los Estados GREPECAS AIS/MAP</p> <p><i>Subgroup Survey to States</i></p>	<p>Necesidad de implantar el sistema geodésico WGS-84.</p> <p><i>Need to implement the WGS-84 Geodetic System</i></p>	<p>Estados indicados</p> <p><i>Indicated States</i></p>	<p>En el más corto plazo posible</p> <p><i>Within the least possible time</i></p>	U

<i>Identification/Identificación</i>		<i>Shortcomings and Deficiencies/Carencias/Deficiencias</i>				<i>Corrective actions/Acción correctiva</i>			
<i>Requirements</i> Requisitos	<i>States/ Facilities</i> Estados/ Instalaciones y servicios	<i>Description</i> Descripción	<i>Date first reported</i> Fecha de primera Notificación	C/D	<i>Remarks</i> Observaciones	<i>Description</i> Descripción	<i>Executing Body</i> Entidad ejecutora	<i>Date of completion</i> Fecha de finalización	P
1	2	3	4	5	6	7	8	9	10
Disposición en 4.2.8, 4.3.4, Cap. 6, Anexo 15 Cap. 8 Doc 8733 ANP, Parte VI, Cap. 8 <i>Disposition in 4.2.8, 4.3.4, Chap. 6, Annex 15 Chap. 8 Doc 8733 ANP, Part VI, Chap. 8</i>	Brasil, Guyana, Suriname, Trinidad and Tobago y/and Venezuela.	Falta de una eficaz aplicación del sistema AIRAC <i>Lack of effective application of AIRAC system</i>	01/11/94 25/04/96	C/D	Registros/archivos en las OR SAM y NACC. Informes del GREPECAS <i>Records/files in SAM and NACC R0s GREPECAS reports</i>	Necesidad de una eficaz aplicación de los requisitos AIRAC <i>Need for an effective application of AIRAC requirements</i>	Estados indicados <i>Indicated States</i>	En el más corto plazo posible <i>Within the least possible time</i>	U
Doc 8733 , Parte VI, Cap. 8, párrafo 8.2 <i>Doc 8733 , Part VI, Chap. 8, para. 8.2</i>	Guyana, Suriname y/and Venezuela	Falta de implantación del sistema AIRAC <i>Lack of implementation of AIRAC system</i>	01/11/94 25/04/96	C	Registros/archivos en las OR SAM Y NACC. Informes del GREPECAS. <i>Records/files in SAM and NACC R0s GREPECAS reports</i>	Necesidad de implantar los requisitos AIRAC. <i>Need for implementation of AIRAC requirements</i>	Estados indicados <i>Indicated States</i>	En el más corto plazo posible <i>Within the least possible time</i>	U
Doc. 8733 ANP, ParteVI, Cap. 2, párrafo 2.3 <i>Doc. 8733 ANP, Part VI, Chap. 2, para. 2.3</i>	Guyana, Suriname, y/and Venezuela	Falta de asignación de la más alta prioridad a la impresión de las publicaciones AIS <i>Lack of highest priority for printing of AIS publications</i>	18/09/96 19/05/98	C	Registros/archivos en las OR SAM y NACC . Informes del GREPECAS <i>Records/files in SAM and NACC R0s GREPECAS reports</i>	Necesidad de asignar la más alta prioridad a la impresión de las publicaciones AIS <i>Need to provide a higher priority for the printing of AIS publications</i>	Estados indicados <i>Indicated States</i>	En el más corto plazo posible <i>Within the least possible time</i>	U

<i>Identification/Identificación</i>		<i>Shortcomings and Deficiencias/Carencias/Deficiencias</i>				<i>Corrective actions/Acción correctiva</i>			
<i>Requirements</i> Requisitos	<i>States/ Facilities</i> Estados/ Instalaciones y servicios	<i>Description</i> Descripción	<i>Date first reported</i> Fecha de primera Notificación	C/D	<i>Remarks</i> Observaciones	<i>Description</i> Descripción	<i>Executing Body</i> Entidad ejecutora	<i>Date of completion</i> Fecha de finalización	P
1	2	3	4	5	6	7	8	9	10
Anexo 4 , Cap. 3 <i>Annex 4, Chap. 3</i>	Trinidad y Tabago, y/and Venezuela	Aplicación parcial de los requisitos de la OACI en cuanto a la producción del plano de obstáculos de aeródromo Tipo A de la OACI. <i>Partial application of ICAO requirements for the production of Aerodrome obstacle chart-ICAO Type A.</i>	06/01/94	D	Registros/archivos en OR SAM y NACC. Informes del GREPECAS y del SG/AIS <i>Records/files in SAM and NACC ROs. GREPECAS and AIS/MAP/SG reports</i>	Necesidad de una producción efectiva de las cartas aeronáuticas de esta serie de acuerdo con las especificaciones de la OACI. <i>Need for effective production of aeronautical charts of this series according to the ICAO specifications</i>	Estados indicados <i>Indicated States</i>	En el más corto plazo posible <i>Within the least possible time</i>	U

<i>Identification/Identificación</i>		<i>Shortcomings and Deficiencias/Carencias/Deficiencias</i>				<i>Corrective actions/Acción correctiva</i>			
<i>Requirements</i> Requisitos	<i>States/ Facilities</i> Estados/ Instalaciones y servicios	<i>Description</i> Descripción	<i>Date first reported</i> Fecha de primera Notificación	<i>C/D</i>	<i>Remarks</i> Observaciones	<i>Description</i> Descripción	<i>Executing Body</i> Entidad ejecutora	<i>Date of completion</i> Fecha de finalización	<i>P</i>
1	2	3	4	5	6	7	8	9	10
Doc. 8733 ANP, Parte VI, párrafo. 11.1, 11.5 <i>Doc 8733 ANP, Part VI, para. 11.1, 11.5</i>	Trinidad y Tabago, Brasil, Guyana Francesa, Guyana, Suriname, y/and Venezuela	No se produce el plano de obstáculos de aeródromo Tipo C de la OACI. <i>Non production of Aerodrome obstacle chart-ICAO Type C.</i>	06/01/94	C	Registros/archivos en las OR SAM y NACC. Informes del GREPECAS y del SG/AIS <i>Records/files in SAM and NACC ROs. GREPECAS and AIS/MAP/SG reports</i>	Necesidad de producir las cartas aeronáuticas de esta serie. <i>Need for production of aeronautical charts of this series</i>	Estados indicados <i>Indicated States</i>	En el más corto plazo posible <i>No lo requiere el Caribe Oriental</i> <i>Within the least possible time</i>	U