

Agenda Item 1: Review of AIS relevant matters, considering:

- a) **WGS-84 implementation issues**
- b) **Implementation of relevant CAR/SAM/3 RAN meeting recommendations and conclusions**

1.1 During the meeting, participating States informed of the main activities carried out in the AIS field, becoming aware of the AIS training programmes, the updating of the AIPs, the publication of aeronautical charts and the implementation of the WGS-84 system. **Appendix C** to this Agenda item presents a table with information related to the current status of the AIPs in the referred Subregion.

1.2 The meeting indicated its concern about the differences that could present themselves during the survey of the WGS-84 geographical coordinates at the FIR boundaries of the States of this Subregion and to that end considered the need of establishing an action plan to guarantee that the Subregion have standardised geographical coordinates data. Therefore, the meeting formulated the following conclusions:

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.

1.3 The meeting took note of the GREPECAS list on notification of air navigation shortcomings and deficiencies in the AIS/MAP fields with regard to the Subregion. The delegate from France provided the meeting with updated information, which is included in the U priority list of shortcomings and deficiencies in **Appendix B** to this part of the Report. The modifications to the shortcomings and deficiencies with priorities different to U will be updated in the GREPECAS list. With the aim to provide users with a reliable and timely aeronautical information service, the meeting formulated the following conclusion:

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.

APPENDIX A

ACTION PLAN FOR CO-ORDINATING THE PUBLICATION OF WGS-84 CO-ORDINATES 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 | |

PERSON RESPONSIBLE FOR THE ACTION PLAN OF THE WGS-84 IMPLEMENTATION

| STATE | PERSON RESPONSIBLE | TELEPHONE | FAX | E-MAIL |
|-------------------|---|---|---|--|
| Brazil | Ary Rodriguez Bertolino | (5521)2403904 | (5521)38146369 | bertolino@ajato.com.br |
| French Guiana | Michel Grandet Jean-Antoine Philippe Philippe Lucenay | (596)556020 (594)359303 (594)359307 | (596)634706 (594)356166 (594)356166 | grandet_michel@drac-ag.dgac.fr philippe_jean-antoine@drac-ag.dgac.fr |
| Guyana | Samaroo Nickpots | (592)2612577 | (592)2612279 | nick387@hotmail.com |
| Trinidad & Tobago | Harold Ramkissoon | (001868)6694128 | (001868)6691716 | civilav@cablenett.nett civilav@tstt.net.tt |

APPENDIX/APENDICE B

LIST OF SHORTCOMINGS AND DEFICIENCIES CLASSIFIED AS U
LISTA DE CARENCIAS Y DEFICIENCIAS CLASIFICADAS COMO 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 del Cap. 4, para 4.2.9, Anexo 15; Doc. 8733 ANP, Parte VI, 3.2 <i>Disposition of Chapter 4, 4.2.9, Annex 15; Doc. 8733, ANP, Part VI, 3.2</i> | <i>Trinidad y Tabago, Guyana, Suriname y/and Venezuela</i> | 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 <i>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</i> | <i>Trinidad y Tabago, Guyana, Suriname y/and Venezuela.</i> | 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 |

| 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 |
| <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><i>Trinidad y Tabago, Guyana, Suriname y/and Venezuela</i></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> | <p>D</p> | <p>Subgrupo AIS del GREPECAS.</p> <p>Encuesta a los Estados</p> <p><i>GREPECAS AIS/MAP 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> | <p>U</p> |
| <p>Disposición en 4.2.8, 4.3.4, Cap. 6, Anexo 15</p> <p>Cap. 8 Doc 8733 ANP, Parte VI, Cap. 8</p> <p><i>Disposition in 4.2.8, 4.3.4, Chap. 6, Annex 15</i></p> <p>Chap. 8 Doc 8733 ANP, Part VI, Chap. 8</p> | <p>Brasil, Guyana, Suriname, Trinidad and Tobago y/and Venezuela.</p> | <p>Falta de una eficaz aplicación del sistema AIRAC</p> <p><i>Lack of effective application of AIRAC system</i></p> | <p>01/11/94 25/04/96</p> | <p>C/D</p> | <p>Registros/archivos en las OR SAM y NACC.</p> <p>Informes del GREPECAS</p> <p><i>Records/files in SAM and NACC R0s GREPECAS reports</i></p> | <p>Necesidad de una eficaz aplicación de los requisitos AIRAC</p> <p><i>Need for an effective application of AIRAC requirements</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> | <p>U</p> |

| 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 |
| 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 ROs 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 ROs 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 |
| 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 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 | <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 |
| <p>Doc. 8733 ANP, Parte VI, párrafo. 11.1, 11.5</p> <p><i>Doc 8733 ANP, Part VI, para. 11.1, 11.5</i></p> | <p><i>Trinidad y Tabago, Brasil, Guyana Francesa, Guyana, Suriname, y/and Venezuela</i></p> | <p>No se produce el plano de obstáculos de aeródromo Tipo C de la OACI.</p> <p><i>Non production of Aerodrome obstacle chart-ICAO Type C.</i></p> | 06/01/94 | C | <p>Registros/archivos en las OR SAM y NACC. Informes del GREPECAS y del SG/AIS</p> <p><i>Records/files in SAM and NACC ROs. GREPECAS and AIS/MAP/SG reports</i></p> | <p>Necesidad de producir las cartas aeronáuticas de esta serie.</p> <p><i>Need for production of aeronautical charts of this series</i></p> | <p>Estados indicados</p> <p><i>Indicated States</i></p> | <p>En el más corto plazo posible</p> <p><i>No lo requiere el Caribe Oriental</i></p> <p><i>Within the least possible time</i></p> | U |

APPENDIX/APENDICE C

**CURRENT STATUS OF AIPs IN THE EAST CARIBBEAN AND NORT HEASTERN
SOUTH AMERICAN SUB-REGION
ESTADO ACTUAL DE LAS AIPs EN LA SUBREGION 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 | | ■ | No. 123/01 25/01/01 | Regular level of AIP updating/ Nivel regular de actualización |
| French Guiana | ■ | | No. 02/01 25/01/01 | Regular level of AIP updating/ Nivel regular de actualización |
| Guyana | | ■ | <i>2nd edition</i> <i>31/03/01*</i> | No AIP updating/ No actualización AIP |
| Suriname | | ■ | <i>No. 01</i> <i>April 2001*</i> | No AIP updating/ No actualización AIP |
| Trinidad & Tobago | | ■ | 25/01/01* | |
| Venezuela | | ■ | <i>No.76</i> <i>30/01/97</i> | Very poor level of AIP updating/ Pobre nivel de actualización AIP |

* 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).