

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
SOUTH AMERICAN REGIONAL 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, 01 to 05 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**

HARMONIZATION OF WGS-84 POINTS

(Presented by France)

Summary

The aim of this working paper is to inform the meeting of what has been done about common WGS-84 points:

- between French Guyana and Brazil
- between French Guyana and Suriname

PART I

1 Introduction

1.1 Brazil provided a list of WGS points concerning the Flight Information Region boundary. Among them, France has examined those concerning the boundary between French Guyana and Brazil.

2 Discussion

2.1 The points of the list are communicated in hundredths of second.

2.2 The SARPs published in Annex 15 and in Doc 8126 are to give generally the coordinates in degrees, minutes and seconds. And in Doc 9574, Chapter 2, it is detailed for each case. For example, the publication resolution is the minute for the points of the Flight Information Region boundary.

2.3 We have transformed, therefore, the common coordinates between French Guyana and Brazil into degrees, minutes and seconds, and have obtained the following results rounded off to a minute>

OTONI... 02° 40' 00" N, 052° 30'00" W
ATITA... 02° 15' 00" N, 053° 55'00" W
REBER... 02° 11' 00" N, 052°18' 00" W

2.4 The calculation of the orientations and distances between 2 points in the FIR Rochambeau have been done again and the results hereafter show that just one part of the AWY G449 (REBER/NASON) must be modified. (It is more typographic error than a difference due to the new coordinate).

Upper airspace

UA 655	OIA.....ALDIX	347° ... 167°	26 NM
UB 680	ATITA....DIMAS	358° ... 176°	42 NM
UG 449	OTONI.....DORLI	333° ...153°	82 NM

Lower airspace

A 555	OIA.....ALDIX	347°	167°	26 NM
G 449	REBER...NASON	326°	146°	26 NM (published 325/145° / 160 NM)

2.5 In AIP CAR/SAM/NAM (page ENR 4.3.1), the coordinates of OTONI and ATITA are correct, the latitude of REBER must be rounded. It is possible with the next amendment.

2.6 The coordinates of the different foreign points on the En-route chart have been taken from the corresponding AIP. So, they are given with reserve.

2.7 As for the NDB OIA, insofar as NAVAID, it must be surveyed or calculated (Doc 9674, Chapter 2) and communicated with a publication resolution at 1 sec or 1/1 D sec. The coordinates mentioned on the list are in hundredths of second.

2.8 France asks for Brazil to confirm the right coordinates.

3 Action suggested

3.1 The meeting is invited to take note of the information provided.

Appendices:

Appendix 1	Page 31 of Annex 15
Appendix 2	Page H26 of Doc 8126
Appendix 3	Page 9 of Doc 9674
Appendix 4:	List of Brazil points

PART II

4 Introduction

4.1 Suriname provided a new AIP, the fifth Edition.

5 Discussion

5.1 The coordinates of the different points are communicated in hundredths of a second in the AIP.

5.2 The SARPs published in Annex 15 and in Doc 8126 are to give generally the coordinates in degrees, minutes and seconds. In Doc 9674, Chapter 2, it is detailed for each case. For example, the publication resolution is the minute for the points of the Flight Information region boundary.

5.3 France asks for Suriname to transform the coordinates into degrees, minutes and seconds.

6 Action suggested

6.1 The meeting is invited to take note of the information provided.

FIXED AIRWAY SUPERIOR (UPPER)

OIAPOQUE	NDB 340 N 03 51.69 W 054 47.87
OTONI	N 02 39.98 W 052.30.03
ATITA	N 02 14.98 W 053 55.53
SIROS	N 02 26.26 W 054 41.53
ACARI	N 01 57.43 W 056.29.34
GEMOL	N 04 21.38 W 059.41.23
PAKON	N 04 28.87 W 061.18.05
ISANI	N 04 14.98 W 061.35.53
VAGAN	N 03.49.15 W 063.05.03
VEBIL	N 01.35.96 W 064.07.50
ZORRO	N 01.51.80 W 067 12.11

FIXED AIRWAY INFERIOR (LOWER)

REBER	N03 11.68 W 052.18.03
CUCUL	NDB 345 N01.10.98 W 056.50.08