



INTERNATIONAL CIVIL AVIATION ORGANIZATION
TWELFTH MEETING ON THE IMPROVEMENT OF THE AIR TRAFFIC SERVICES IN THE
SOUTH ATLANTIC
(Sal, Cape Verde, 15 – 17 December 2004)

Agenda Item 4: Communications

NEW SAM AFTN ROUTING DIRECTORY OF THE SAM REGION

(Presented by the Secretariat)

Summary

This working paper presents the new SAM AFTN Routing Directory of the SAM Region, as well as the new AFTN circuits supported by the South American Digital Network (REDDIG).

1. Introduction

1.1 The implementation of the REDDIG Network in the SAM Region has made it possible to eliminate AFTN deficiencies, increase transmission speeds and implement protocols and codes, in accordance with ICAO SARPs and the Regional CAR/SAM Air Navigation Plan, Volume II - FASID, Table CNS 1A.

1.2 The following new AFTN circuits were implemented through REDDIG: Georgetown–Brazil, Bogota–Brazil, Paramaribo–Brazil, La Paz–Brazil, Caracas–Georgetown, Caracas–Guayaquil and Paramaribo–Georgetown. In addition, the AFTN circuit between Bogota and Panama was implemented by using a VSAT node in Panama as an extension to the Colombian satellite network. Consequently, ICAO will amend the AFTN plan in Table CNS 1A and Chart CNS 1 of CAR/SAM ANP, Volume II - FASID.

1.3 Based on the aforementioned, the SAM AFTN Routing Directory was updated as shown at **Appendix A** to this working paper.

2. Discussion

2.1 The AFTN Routing Directory is presented to the meeting to facilitate the identification of those links used by the SAM Region to distribute AFTN messages throughout the SAM States, and from the SAM States to the rest of the world.

2.2 It is anticipated that the SAM AFTN Routing Directory will particularly help the meeting in visualizing how AFTN messages are routed between the SAM Region, Western Africa, Europe and United States. SAT States from the SAM Region communicate with West African States through the AFTN Switching Centre of Brasilia, which is connected to Dakar via Recife, and from Dakar AFTN messages are distributed to the rest of West African States according to the Africa - Indian Ocean Region (AFI) AFTN Routing Directory.

2.3 The AFTN alternate circuit between Brasilia and Dakar is through Madrid: Madrid-Casablanca and Casablanca-Dakar.

2.4 SAT States from the SAM Region are also utilizing Brasilia Switching Centre. The alternate links between Brasilia and Madrid are Brasilia/Caracas and Caracas/Madrid.

3. **Action by the meeting**

3.1 The meeting is invited to:

- a) Take note of the information provided in this working paper; and
- b) Analyze Section 2 of the working paper, and the SAM AFTN Routing Directory presented in Appendix A, in relation with the investigations on the loss of AFTN messages and the harmonization of ANPs.

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