



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE

Sixth Meeting of the Central Atlantic FIR Satellite Network (CAFSAT) Management Committee
(CNMC/6)
(Lisbon, Portugal, 06-07 June 2016)

Agenda Item 6: Implementation of Special AFIRAN meeting recommendations 6/19

Planning, implementation and operation of very small aperture terminal (VSAT) networks in the AFI Region
(Presented by the secretariat)

SUMMARY

The purpose of this paper is to analyze the status of implementation of AFI/RAN

Conclusion 6/19: Planning, implementation and operation of very small aperture terminal (VSAT) networks in the AFI Region that calls for regular meetings of all AFI networks managers

Reference:

Report of SP AFI RAN Meeting

Conclusions of the First Joint Meeting of the AFI Aeronautical VSAT Networks Managers (AFI/VSAT/1))

Summary of conclusions of the Review Meeting of the Task Force on the Development of a Regional Project on an AFI Integrated Aeronautical Telecommunication Infrastructure (AFI VSAT/TF/RM)

Draft Conclusions/Decisions of the Task Force

Related ICAO Strategic Objectives: A: Safety; B: Air Navigation Capacity and Efficiency

Related ASBU Bloc 0 Modules, Performance Improvement Aerias and Applications:

B0-FRTO/PIA3-PBN En Route Trajectories;

B0-FICE/PIA2-AIDC,

B0-DATM/PIA2-AIM,

B0-TBO/PIA4-Datalink

B0-AMET/PIA2-MET

Action by the meeting in paragraph 3

1. Introduction

The AFI RAN meeting held in Durban, South Africa from 24 to 29 November 2008 formulated **Conclusion 6/19: Planning, implementation and operation of very small aperture terminal (VSAT) networks in the AFI Region** that calls for regular meetings of all AFI networks managers and reads as follows:

Conclusion 6/19: Planning, implementation and operation of very small aperture terminal (VSAT) networks in the AFI Region:

That

All entities involved with planning, implementation and operation of very small aperture Terminal (VSAT) networks in the AFI Region hold regular joint meetings under the auspices of ICAO regional offices for the purpose of harmonization and eventual realization of a seamless AFI communication network supporting all present and future communications, navigation, and Surveillance (CNS) Systems



Since Durban meeting, many actions have been undertaken by States/Organizations with ICAO regional Offices WACAF & ESAF support to implement this conclusion.

2. Discussion

2.1 The fifth CNMC meeting held in Abidjan Cote d'Ivoire 1 to 2 June 2016 reported on the activities undertaken by the AFI aviation community aiming to build an Integrated Aeronautical Telecommunication Infrastructure as called upon by APIRG.

2.5 Since then, future actions have been undertaken by the VSAT network management committees to hold regular coordination meetings. The AFISNET management SNMC, the NAFISAT and SADC/2 supervisory bodies held their annual regular meetings which gave opportunity to address issues pertaining to the ground/ground and air/ground components of ATN and to continue the work on the definition of the conditions for the development of a robust sustainable telecommunication infrastructure based on the modernization of the existing VSAT Networks (AFISNET, CAFSAT, SADC/2, NAFISAT). The issues related to the performance of the networks (availability, speed of the ground segment to support ATN application such as AMHS and AIDC, surveillance data exchange) were considered by the meetings.

2.6 The status of implementation of satellite based ground/ground and air/ground communication has been reviewed by the APIRG CNS/SG/6 meeting recently held in Dakar from 18 to 22 May 2015 and the outcome endorsed by the APIRG/20 meeting held in Yamoussoukro, Cote d'Ivoire on October 2015.

2.7 Furthermore the outcome of the coordination meeting of VSAT Managers was held in Johannesburg South Africa from 25 to 26 May 2015 in order to review ICAO general and regional requirements pertaining to VSAT as well as the work done by AFI VSAT Network Managers was considered.

3. Actions by the meeting

The meeting is invited to:

- a) Take note of the above information
- b) Encourage CAFSAT concerned States/Organizations to:
 - ✓ Implement CNMC outstanding Conclusion/Decisions derived from the outcome of the previous coordinating meetings addressing VSAT issues.
 - ✓ Pursue their effort to actively participate in the future regional coordination activities on VSATs networks
