



**SIXTEENTH MEETING ON THE IMPROVEMENT OF AIR TRAFFIC SERVICES OVER
THE SOUTH ATLANTIC (SAT/16)
(Recife, Brasil 4 to 6 May 2011)**

Agenda item 2: Communications, Navigation, Surveillance (CNS)

2.3 Review of SAT/CNSG/WG report

(Presented by the Secretariat)

SUMMARY

The present WP presents the Draft Report of informs the first Meeting of the CAFSAT Network Management Committee (CNMC/1).

REFER: SAT14, SAT14/TF1Meetings, SAT 15 Reports, RAN/AFI SP Report, SNMC/18 Report; NAFISAT Supervisory Body Report; APIRG 17 Report

Action By the Meeting: See paragraph 3

1. Introduction

The CAFSAT Network Management Committee (CNMC) was established by SAT14 TF1/01 through its Conclusion SAT14TF1/01 (Establishment of a CAFSAT Management Committee) which task the Secretariat to submit CNMC Terms of Reference for review to SAT 15.

These terms of reference were amended by SAT/15 meeting and adopted under its Decision SAT/15/03 (Adoption of the Terms of Reference of CAFSAT Network Management Committee) as follows:

That the CAFSAT Network Management Committee (CNMC) Terms of Reference be adopted as presented in Appendix G to the present report.

These terms of reference stipulate that the CNMC meeting report should be submitted to SAT/CNS/WG for review.

2. Discussion

The First Meeting of the CAFSAT Network Management Committee (CNMC/1) was held at the Park Hotel in Recife, Brazil, on 02 May 2011, at the kind invitation of the Agencia Nacional de Aviación Civil (ANAC) and Departamento de Control del Espacio Aéreo (DECEA) of Brazil.

The meeting adopted and discussed the following Agenda items through the Work programme as presented in **Appendix A** to this report.

After deliberation the meeting adopted three (03) Decisions and six (06) Conclusions as attachment in **Appendix B**.

3. Actions by the meeting

3.1 The meeting is invited to:

- a) Note the information provided in the present WP; and
- b) Review comment, amend and adopt the draft conclusion of the first meeting of the CAFSAT Network Management Committee.

APPENDIX A

AGENDA AND WORK PROGRAMME OF THE FIRST MEETING OF CNMC

1. Agenda

- 1.1 Agenda Item 1: Review of CNMC Terms of Reference
- 1.2 Agenda Item 2: Review of CAFSAT earth stations performance and operational statistics of availability for supported links
- 1.3 Agenda Item 3: Review/Updating of CAFSAT nodes
- 1.4 Agenda Item 4: Implementation of Special AFI RAN meeting recommendation 6/19
- 1.5 Agenda Item 5: CAFSAT modernization and re-engineering
- 1.6 Agenda Item 6: Any other business

2. Work Programme

Monday, 02 May 2011

Venue: Park Hotel, Recife, Brazil

08:00 – 09:00 Registration of delegates

09:00 – 09:15 Opening Ceremony

09:30 – 11:30 Working session: *Agenda items 1, 2 and 3*

11:30 – 11:45 Coffee break

11:45 – 13:45 Working session: *Agenda items 4, 5 and 6*

13:45 – 15:00 Coffee break

15:00 – 15:30 Closing session

APPENDIX B

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICAN OFFICE**



**FIRST MEETING OF CAFSAT NETWORK
MANAGEMENT COMMITTEE (CNMC/1)**

**SUMMARY OF DRAFT
CONCLUSIONS/DECISIONS**

Recife, Brazil, 02 May 2011

Agenda Item 1: Review of CNMC Terms of Reference**Draft Conclusion 1/01: Active participation in CNMC meetings by CNMC members**

That, CNMC Members should endeavour to actively:

- a) participate in CNMC regular meetings and technical specialized Task Forces /Study Groups and therefore; and
- b) provide the suitable support to their nominated delegates in accordance with the commitment they have taken under the Terms of Reference and Work Programme of CNMC.

Agenda Item 2: Review of CAFSAT earth stations performance and operational statistics of availability for supported links**Draft Conclusion 1/02: Development of CAFSAT Earth Stations Performance Data Collection Form (PDCF)**

That, in accordance with ICAO guidelines on Performance of Very Small Aperture Terminals (VSAT), ASECNA and GHANA, already tasked by SNMC Conclusion 18/ 02 for the matter, develop and submit to next CNMC meeting, a draft Earth Stations Performance Data Collection Form (**PDCF**) aiming to facilitating the future automation of the collection and the monitoring of CAFSAT stations performance data, taking into consideration the most sensitive components of the network.

Draft Decision 1/02: Utilization of provisional templates for the collection of the Performance data statistic of CAFSAT nodes

That, meanwhile the complete development of the PDCF for the automation of the monitoring of the Network Performance, CAFSAT members adopt the templates attached in Appendix C and report quarterly to the current CNMC manager with copy to ICAO Regional Offices of Dakar and Lima.

Agenda Item 3: Review/Updating of CAFSAT nodes**Draft Conclusion 1/03: Updating CAFSAT Nodes**

That, when collecting their performance data, the CAFSAT members take the opportunity to update the location of CAFSAT nodes coordinates (LONG, LAT) under WGS 84 format in order to feed the future data base and facilitate the study of future migration, if necessary, of the network on a new satellite.

Agenda Item 4: Implementation of Special AFI RAN meeting recommendations 6/19**Draft Decision 1/02: Representation of CAFSAT members states to the AFI VSAT Managers meetings**

That, CNMC members States/Organization participate in the AFI VSAT Managers meeting called for by Conclusion 6/19 of the SP AFI RAN meeting on the basis of representative (s) from each CNMC members Sate/Organization as stipulated by the Terms of Reference of CNMC.

Draft Conclusion 1/04: Participation in the first AFI VSAT Managers Meeting Durban, South Africa, 13-15 June 2011.

That:

- a) CNMC members should endeavor to attend or send Working and/or Information papers to the first meeting of AFI VSAT Managers, scheduled to be held in Durban, South Africa from 13 to 15 June 2011;
- b) Administration/Organization should nominate their representatives with suitable provisions aiming to effectively participate in the meeting; and
- c) Nominated CNMC delegates ensure that the forthcoming VSAT Managers meetings consider the CNMC expectations and conclusion raised up by the first CNMC meeting.

Agenda Item 5: CAFSAT modernization and re-engineering

Draft Conclusion 1/05: Development of a Roadmap for CAFSAT joint technical evaluation and re-engineering

That, in accordance with ICAO guidance materials (*Annex X, Vol 1, Attachment F: Guidance material concerning reliability and availability of radiocommunications and navigation aids; ICAO Guidelines on Performance of Very Small Aperture Terminal (VSAT) Networks*) CNMC member states develop a Roadmap for a Joint Technical Evaluation and re-engineering in the view of ensuring an efficient and optimized modernization of CAFSAT Network taking into consideration:

- a) Required service performance level of the network to support the operation and development of sensitive current and forthcoming CNS/ATM components;
- b) CAFSAT interoperability with its neighbouring networks;
- c) Maintenance fundamental parameters governing service availability, continuity and integrity such as: reliability, turn over statistics, maintenance personnel expertise; and
- d) Cost-effectiveness.

Draft Decision 1/03: Establishment of a Joint Technical Team for CAFSAT Network evaluation and re-engineering

That, a Joint Technical Team for CAFSAT network evaluation and re-engineering (**JTT**) is established with Term of Reference and Work Programme presented in **Appendix D**.