

INTERNATIONAL CIVIL AVIATION ORGANIZATION**Western and Central Africa Office****First Meeting of the Central Atlantic FIRs Satellite (CAFSAT) Network Management Committee
(CNMC/1)****(Recife, Brazil 2 May 2011)****Agenda Item 1: Review of CNMC Terms of Reference****(Presented by the secretariat)**

SUMMARY
The purpose of this paper is to provide the meeting with the CNMC terms of Reference as adopted by SAT/15 meeting.
Action by the meeting is at paragraph 3.
References : Decision SAT/15/01 of SAT 15 meeting. <i>Note: References can be downloaded from www.icao.int/wacaf.</i>
Related ICAO Strategic Objectives A.

1. Background

At its 14th session, held in **Montevideo, Uruguay 7-9 May 2008** SAT 14 Meeting established a Migration Plan Working Group with the aim to coordinating all aspects related to the migration of services from **Satellite IS 801**, which would be removed from orbit on October 2008.

The CAFSAT Migration Working Group at its meeting held in **Madrid, Spain, from 2 to 3 July 2008**, adopted the **Conclusion 1/7** of CAFSAT Migration Plan Working Group Meeting, calling for the establishment of a management committee based on AFI Satellite Network Management Committee model.

The first meeting of the SAT/14 Task Force (SAT/14-TF/1) held at the Sal Oceanic Control Center, Sal, Cape Verde from **10 to 12 June 2009** was informed with the CAFSAT migration onto **IS 901 Transponder 36/36** successful completed implementation process by SAT Air Navigation Service Providers, in close cooperation with INSA and INTELSAT, without major communication interruptions

The SAT/14-TF/1 meeting's attention was also drawn to Recommendation 6/19 of the SP AFI/ RAN 08 Meeting, which States:

Recommendation 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 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 CNS systems.

In view of the above, as the Migration Plan Working Group had accomplished its task with success, the SAT 14/TF meeting considered the Migration Plan/WG as terminated and adopted the following conclusion:

Conclusion SAT14TF1/01: Establishment of a CAFSAT Management Committee

That:

- 1) a CAFSAT Management Committee be established based on the experience gained with AFISNET, NAFISAT and SADC VSAT networks; and
- 2) the CAFSAT Management Committee participate in the joint meetings recommended by Special AFI RAN 2008 under its Recommendation 6/19.
- 3) CAFSAT Management committee Terms of Reference be reviewed by SAT 15

2. Discussion

2.1 Establishment of CNMC

The secretariat of SAT/15 meeting therefore presented the draft Terms of Reference of the CAFSAT Network Management Committee. This draft was developed on the basis of the existing network management committee (SNMC) and supervisory body (NAFISAT).

The draft was discussed at length and amended as appropriate. The meeting decided that reports of the CAFSAT Committee will be addressed to SAT CNS/WG.

The meeting was also provided with the draft agenda of the forthcoming SNMC/18 meeting that would be held in Ouagadougou (Burkina Faso) from 1 to 4 June 2010 and formulated the following decision:

Decision SAT/15/03: Adoption of the Terms of Reference of CAFSAT Network Management Committee

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

2.2 Scope of CNMC Terms of Reference

The CNMC Terms of reference define the mandate of CNMC its composition, the modalities of participation of observers and international organizations as well as the modalities of the establishment of contributory bodies.

It also develops the working arrangements.

CNMC has to report to SAT/CNS/WG that calls for CNMC meetings to be held before SAT meetings.

The CNMC Terms of Reference are presented in Appendix to this Working Paper.

3. Action by the meeting:

The meeting is invited to:

- a) Take note of the above information;
- b) Take the commitment to implement the Conclusion and Decision that will be formulated by CNM meetings and reported to SAT/CNS/WG;
- c) Endeavour to actively participate to CNMC forthcoming meetings



INTERNATIONAL CIVIL AVIATION ORGANIZATION

TERMS OF REFERENCE OF THE CAFSAT NETWORK MANAGEMENT COMMITTEE (CNMC)

1. Mandate of the CAFSAT Management Committee

- 1.1 Decide on the network concept and topology in accordance with the relevant ATM operation requirements and based on ICAO SARPs and guidance materials.
- 1.2 Ensure the continued operation of the CAFSAT network, meeting the CNS/ATM plan requirements of the AFI /NAT/EUR/SAM Regions while taking into consideration CNS/ATM plans of adjacent regions, and including approval of deployment plans and/or extension plans.
- 1.3 Decide on type and levels of service to be provided, and monitor the performance of the Network providers (facilities and leased band) to ensure that service delivery meets required service performance for Aeronautical Fixed Service criteria previously pre-determined in accordance with the Manual of ATS ground-ground Voice Switching and Signaling (Doc 9804), the Procedures for Air Navigation Services - ATS Management (DOC. 4444), Annex X Vol.II, Chap. 4 and Annex XI.
- 1.4 Ensure that participating States/Organizations provide statistics on the Network Performance, and investigate service delivery complaints from users.
- 1.5 Review and take the appropriate actions to clear the service dysfunctions within the required service performance defined criteria in line with ATM PBN and SMS requirements.
- 1.6 Monitor the harmonization of the implementation of facilities and services and, where necessary, ensure interregional connectivity, taking due account of cost/benefit analysis, business case development and financing issues:
 - Study the extension of the network to other countries.
 - Propose the network integration and interoperability with other neighboring networks
- 1.7 Monitor and harmonize the Network maintenance operation and management by defining a cooperation methodology between network centers in regard with:
 - Maintenance personnel team training and exchange, redeployment if necessary of a technical assistance;
 - Spare parts exchange, fault location/repairs, and turnaround time
 - Development and modernization of CAFSAT after a Joint Technical Evaluation and Re-engineering team assessment.
- 1.8 Review and adopt the annual follow up on the meeting conclusion and update the future work programme.
- 1.9 The report of CAFSAT Network Management Committee is to be addressed to SAT/CNS-WG

2. Composition and organization of the Committee

The CAFSAT Network Management Committee (CNMC) is composed of member States/Organizations hosting/operating CAFSAT nodes ; namely:

- AENA (Spain)
- ANAC (Argentina)
- ASA (Cape Verde)
- ASECNA (Côte d'Ivoire, Mauritanie, Sénégal)
- ATLANTICO FIR (Brazil)
- ATNS (South Africa)
- NAV Portugal (Portugal)
- ONDA (Morocco)

Observers as facilities providers (**INSA**), satellite spectrum providers (**INTELSAT**), Airline Associations (**IATA**), Maintenance Personnel Association (**IFATSEA**), neighboring Networks (**AFISNET**) can join the Committee.

- 2.1 The Chair of the Committee shall be elected by the Committee from among the Committee members every year. The Chair may be re-elected for no more than two periods of one year each. The mandate as Chair of the Committee shall not exceed three years.
- 2.2 ICAO shall be the Secretary of the Committee.
- 2.3 To ensure that the Committee functions optimally, the designated representatives of Air Navigation Service Providers should have experience in the provision of air navigation infrastructure and services. Advisors may accompany the Representative.

3. Participation by International Organizations

Moreover those listed in paragraph 2, the Committee may invite representatives of appropriate regional and international organizations (**ATU, ITU, EUROCONTROL...**) to attend meetings in the capacity of observer.

4. Establishment and Dissolution of Contributory Bodies

- 4.1 In order to assist in its work, the Committee may establish bodies, e.g. task forces, charged with preparatory work on specific issues. Representation in such contributory bodies should be by specialists in the subjects concerned and familiar with the issues under consideration.
- 4.2 The establishment and work of contributory bodies shall be governed by the following provisions:
 - a) A contributory body shall only be formed when it has been clearly identified that it is likely to make a substantial contribution to the resolution of the issue in question.
 - b) A contributory body shall be given clear and concise terms of reference describing its task and an expected target date for its completion.
 - c) The composition of a contributory body shall be such that, although intended to be as small as possible, all participating States and any organization deemed to be able to make valid contributions shall be given an opportunity to participate in it.
 - d) A contributory body shall be dissolved as soon as it has either completed its assigned task or it has become apparent that work on the subject in question cannot be usefully continued.

5. Working arrangements

- 5.1 The Committee ordinary meeting will be hosted by one of the State\organization and held at least once a year;
- 5.2 The committee can hold in case of absolute necessity extraordinary meetings to clear out urgent problems that may be a threat to the service provided by the network;
- 5.3 The invitation letter to the meetings is issued by the Secretariat in coordination with the hosting State/Organization.
- 5.4 Decisions shall be reached by consensus.
- 5.3 Two-thirds of members shall constitute a quorum and, where a quorum is not achieved, decisions will be reached through correspondence under the Chair Person coordination.