



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE
Eighteenth Meeting of the AFI Satellite Network Management Committee
(SNMC/18)
(Ouagadougou, Burkina Faso 1-4 June 2010)

Agenda Item 12: Updating SNMC Form of Agreement.

(Presented by the secretariat)

SUMMARY

The purpose of this paper is to review and analyze the Draft Terms of Reference that should complete the Form of Agreement of SNMC

Reference Report of AFI/RAN meeting

Action by the meeting in paragraph 3

1. Introduction

The SNMC is governed by a Form Agreement that defines its objectives, composition and organization (See Appendix A).

Under this Form of Agreement SNMC meetings have been successfully conveyed for years.

Moreover, with the interconnection exercise between AFISNET with the new neighboring networks (CAFSAT, NAFISDAT, and SADC/2) it appears advisable to standardize the current Forms and harmonize Network Management Committees Terms of Reference.

2. Discussion

2.1 Conclusion 6/19 of SP AFI RAN (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) stated 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

The meeting called by this SP AFI RAN conclusion 6/19 is not held yet because of many reasons (See WP 06).

In order to organize fruitful joint meetings for AFI Networks, internal meetings must be consolidated before so that the joint meeting for whole AFI will discuss the common concerned topics.

2.2 The AFISNET neighboring Networks (CAFSAT, NAFISAT) are currently provided with updated Terms of Reference of their Management Committees or Supervisory bodies: NAFISAT for years and CAFSAT recently during the SAT/15 meeting (Lisbon Portugal, 19-21 May 2010).

Apart the Form of Agreement SNMC is not provided with Terms of Reference that gives detailed guidelines framework of the Committee Work programme.

A Term of Reference that takes into consideration the Terms of Reference developed and currently used by neighboring Networks is presented in **Appendix B**.

3. Action by the meeting

The meeting is invited to:

- a) Take note of the information here given above
- b) Analyze, comment and amend the draft Form of agreement and Terms of Reference;
- c) Adopt the update Form of Agreement and Terms of Reference.

END

APPENDIX A

**AFISNET MANAGEMENT COMMITTEE
FORM OF AGREEMENT**

ARTICLE 1: The AFI Satellite Network Management Committee (ASNMC) is composed of the following members:

- Agency for Safety of Air Navigation in Africa and Madagascar (ASECNA)
- Ghana Civil Aviation Authority (GCAA)
- Nigeria Airspace Management Agency (NAMA)
- International Civil Aviation Organization (ICAO)
- Roberts FIR

The Administrations mentioned above must be represented at the Director level in their own organizations.

The following are observers:

- **The Gambia ,**
- **French DGAC (Reunion and Mayotte)**
- **ENANA (Angola)**
- **IATA, ALCATEL, ALENIA, European Union(EU), CORIS, INTELCAN, INTELSAT**

ARTICLE 2: The ASNMC will meet every year, or more frequently if required by the members, at one of the network centers and the working languages will be English and French.

ARTICLE 3 :

- (i) There shall be established an office of SNMC Coordinator ;
- (ii) The Coordinator shall be responsible for :
 - a) Convening the meeting of the SNMC after consultation with members

- b) Liaising with the various administration for the efficient operation of the network
- c) Liaising with the equipment and the satellite providers as the need may arise
- d) Undertaken such other sanction as may deemed necessary
- e) Ensure the implementation of the objectives of the ASNMC
- f) Act as an arbitrator among members

ARTICLE 4 : The ANMC members manage the following stations :

- **For NIGERIA:** Kano, Lagos, Maiduguri, Jos, Ilorin, Port Harcourt, Sokoto, Abuja
- **For GHANA:** Accra
- **For ASECNA:** Abidjan, Bangui, Brazzaville, Cotonou, Dakar, Douala Libreville, Lome, N'djamena, Niamey and Ouagadougou
- **For ROBERTS FIR:** Conakry
- **For FRANCE :** Reunion, Mayotte

This list is not exhaustive and may be modified according to the operational needs and extensions of the network.

ARTICLE 5 : The SNMC's objectives are as follows :

- Ensure the complete **AFISNET** implementation
- Verify that the earth stations of the network meet aeronautical telecommunication required performances
- Harmonize reporting methodology procedure
- Judge the necessity and redeployment of the technical assistance
- Encourage cooperation, in various fields, between network centers, e.g., training, spare parts exchange, and fault location/repairs

- Study the extension of the network to other African countries.
- Propose the network integration and interoperability with other African networks
- Liaison and planning with satellite telecommunications providers.

ARTICLE 6 : The SNMC members may have experts accompany them to meetings. These experts will be chosen according to their experiences and competence in various civil aviation related fields: aeronautical telecommunications, air traffic control, meteorology, etc...

ARTICLE 7 : The SNMC is not financially autonomous. Each Administration makes adequate financial provision according to its participation in the committee's activities.

ARTICLE 8 : This agreement becomes effective from the date at which all Administrations have signed.

ARTICLE 9 : In case legal disagreements arise due to the execution of the present protocol, members will be expected to seek a friendly settlement amongst themselves.

Conakry,

For ROBERTS FIR

For ASECNA

For GCAA

For NAMA

For ICAO

APPENDIX B

TERMS OF REFERENCE OF THE SATTELITE NETWORK MANAGHEMENT COMMITTEE (SNMC)

1. Mandate of the Satellite Network 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 AFISNET network, meeting the CNS/ATM plan requirements of the AFI /MID /EUR 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 the Required Service Performance Level (RSPL) and the Required Communication Performance criteria previously pre-determined when applicable, in accordance with the Manual of Require Communication Performance (RCP Doc. 9869).
- 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 RSPL /RCP 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 AFISNET 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 the Satellite Network Management Committee is to be addressed to SNMC members States/organizations

2. Composition and organization of the Committee

2.1 Members

The Satellite Network Management Committee (SNMC) is composed of member States/Organizations hosting/operating AFISNET nodes namely:

- **NAMA (Nigeria)**
- **ASECNA (16 members States)**
- **Roberts FIRs (Liberia, Sierra Leone, Guinea)**
- **GCAA (Ghana)**

2.2 Observers

Observers as composed below can join the Committee:

- Air Navigation Service Providers (**ATNS-South Africa, ENANA-Angola, ENNA-Algeria, Mauritius FIR; GCAA-The Gambia, ENNA-Sao Tome & Principe, AENA-Spain, DGAC-France**);
- AFISNET Satcom Facilities Providers;
- Satellite Spectrum Providers (**INTELSAT**);
- National Frequency Regulators;
- Airline Associations (**IATA**);
- Maintenance Personnel Association (**IFATSEA**);
- Neighboring Networks Committees (**CAFSAT, NAFISAT, SADC...**).

- 2.3 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.
- 2.4 ICAO shall be the Secretary of the Committee.
- 2.5 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, SITA...**) 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.

End