



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE

**Twenty-fourth Meeting of the AFI Satellite Network Management Committee (SNMC/24)
(Abuja, Nigeria, 14-18 November 2016)**

Agenda Item 3: Evaluation and Re-engineering of AFISNET (Implementation of Special AFI/RAN meeting Recommendations 6/18)

**Review of the Conclusions & Decisions of the coordination technical meeting of the Joint Technical Team
and follow up actions**

(Presented by the secretariat)

SUMMARY

The purpose of this Working Paper is to review the Conclusions & Decisions of the coordination meeting of the Joint Technical Team for AFISNET Modernization and Re-engineering and the follow up actions conducted based on these outcomes. It focused on the coordination action aiming to ensuring surveillance data sharing and implementation of AIDC through AFISNET.

Reference:

Terms of Reference and Report of the Audit of AFISNET

Report on SNMC/23 Meeting

Report on the Coordination Meeting for Surveillance Data sharing and implementation of AIDC along the gulf of Guinea

Action by the meeting see paragraph 3

1. Introduction

1.1 The Audit of AFISNET conducted from June to October 2015 reported in Dakar on 15 October 2015 to the SNMC Board who tasked the SNMC to develop an Action Plan for AFISNET modernization and re-engineering.

1.2 During SNMC/23 held in Accra the Joint Technical Team (JTE) reviewed the draft proposal made by the consultant who conducted the Audit and developed a draft road map action plan for AFISNET Re-engineering. However the time constraints could not enable the JTE to complete in details its work.

2. Discussion

2.1 Based on the above the Secretariat coordinated two back to back three days Coordination Meetings kindly hosted in Lome from 27th April to 4th May 2016 by the Togo Civil Aviation Authority with the objective to Identify operational *requirements* and study the interconnection *procedures* for Surveillance 5Secondary Surveillance Radar (SSR) & Automatic Dependent Surveillance Broadcast (ADS-B) Data sharing and implementation of ATS Interfacilities Data Communication (AIDC) along the Gulf of Guinea through AFISNET; this meeting was held from 27th to 29th April 2016.

2.2 The Coordination meeting on surveillance data sharing and implementation of AIDC attended by the representatives of the four ANSPs (ASECNA, GCAA, NAMA & Roberts) involved both **operational** and **technical experts**. The meeting addressed technical and operational requirements and agreed in principle to share surveillance data. These requirements are summarized in **Appendixes A and B** to the report of the meeting

2.3 The following proposals were also agreed upon by all Stakeholders present:

- **Data to be shared via point to point SATCOM links in priority and assess on case by case basis by any other solution;**
- **A project to be tailored in order to implement surveillance data sharing on a step by step basis with periodic assessment;**

In this regard, the meeting agreed on short term trials to be conducted by **31 December 2016**.

The table for a short term trials is contained in **Appendix C** attached to the meeting report.

2.4 For the implementation of AIDC the meeting addressed technical and operational requirements and agreed in principle to implement AIDC and went on to stress the need for the availability of flight plans as the basis to implement AIDC. The operational and technical requirements are summarized in **Appendixes D and E** of the report. The meeting examined ICAO **Doc 9694 (Part 6, Chapter 4, Page 177, Relationship between AIDC messages and existing ATS messages)**.

The meeting reviewed and completed a set of AIDC messages proposed by ASECNA and adopted the table in **Appendix F** to its report to be considered for trials.

2.5 The meeting agreed on the need for:

- Safety assessment to take proper measures before implementing AIDC
- Harmonized training of ATCOs before implementation of AIDC.
- Follow up mechanisms for implementation
- The technical team to make the estimation of required infrastructure and costs
- Flight Plans availability to be ensured
- ATCOs training/briefing to be harmonized and synchronized
- Assessment after implementation and operation for the way forward for the implementation of the remaining requirements identified in the table above
- The table for a short term trials is contained in **Appendix G** attached to the meeting report.

2.6 The meeting identified key actions to be conducted in the framework of the development of implementation Plans for AIDC and surveillance data sharing:

- Identification of technical and operational requirements
- Assessment of the supporting infrastructure
- Upgrade supporting infrastructure if needed
- Development of MOUs and review of LOAs
- Safety assessments and implementation of safety requirements
- Conduct of short term trials
- Assessments of trials results
- Report to the AFI planning and implementation regional group
- Extension of the implementation (development and implementation of medium and long term action plans

2.7 The meeting welcomed ASECNA Memorandum of Cooperation (MoC) template and proposed that it should be further developed by ASECNA and forwarded to all Stakeholders by **31 May 2016**

2.8 The meeting identified the Signature of the MoUs by the Board and the Assessments of the trials as the future main actions and nominated Focal Points in order to continuously follow up the implementation of surveillance data sharing and AIDC. The list of Focal points is contained in **Appendix H** of the meeting report.

The detailed report on the coordination meeting for surveillance data sharing and implementation of AIDC through AFISNET is attached to this WP.

3. Action by the meeting

The meeting is invited to:

- a) Take note of the Information given above
- b) Report on the status of implementation of the actions decided by the coordination meeting
- c) Review and updated if necessary the Action Plan for surveillance data sharing and implementation of AIDC
- d) Agree if necessary on additional activities that may have been identified since then AFISNET Modernization and Re-engineering.
