



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**  
**WESTERN AND CENTRAL AFRICAN OFFICE**  
**Twenty-Eighth Meeting of the AFI Satellite Network Management Committee**  
**(SNMC/28)**  
**(Abuja, Nigeria 06-10 May 2024)**

---

**Draft Conclusion/Decision of SNMC/28**

**Agenda Item 1:** Follow up of the Conclusions and Decisions of SNMC/27<sup>th</sup> meeting (Accra, Ghana, 25-29 November 2019) and the Recommendations of the SNMC Coordination meeting (Accra, Ghana, 17-19 August 2022)

**Conclusion 28/01:** *Restart and continuation of SNMC activities*

**That;**

**In order to maintain and improve the performance of the network:**

- a) **AFISNET core members endeavor to fully restart and increase SNMC coordination activities through the regular holding of SNMC yearly coordination meetings and the relaunch of the conduct of identified projects postponed during the COVID-19 Pandemic;**
- b) **In so doing they will, under the coordination of designated ANSPs, update, review and finalize the relevant project documents (including technical specifications and cost estimation) and report to the attention of the AFISNET Board for decision and directives.**

**Conclusion 28/02:** *Implementation of SNMC outstanding Conclusions/Decisions*

**That:**

**Concerned SNMC member States/Organizations are urged to implement the outstanding Conclusions/Decisions of SNMC previous meetings including those related to SNMC/27's as presented in **Appendix B** to this report.**

**Conclusion 28/03:** *Development, promotion of the SNMC Webpage and finalization of the E-Learning project*

**That:**

**Under the coordination of the Roberts FIR, a Task Force of Subject Matter Experts presented in **Appendix XXX** is established to develop the SNMC Webpage and to review the project document of E-learning for full implementation.**

**In this regard the group will explore the way for E-learning partnership with the industry**

**Agenda Item 2:** Review of AFISNET operational and technical statistics of availability

**Conclusion 28/04:** *Resolution of AFISNET outstanding deficiencies*

That;

In order to ensure an effective and timely restoration of AFISNET outstanding and future deficiencies, concerned ANSPs take the appropriate actions aiming at resolving in accordance with the agreed timeline, the outstanding deficiencies as summarized at **Appendix xx** and report to the current SNMC coordinator with copy to the Secretariat.

**Conclusion 28/05:** *Coordination of maintenance operations*

That;

For a better successful coordination of maintenance operations, SNMC members:

- a) Endeavor to nominate maintenance subject matter expert focal points and yearly update their details to reinforce bilateral technical coordination.
- b) Develop when replacing equipment, a maintenance transit plan with an interruption time window, to be shared with concerned neighbors to minimize the impact of the process on circuits availability

**Agenda Item 3:** Surveillance data Sharing through AFISNET

**Decision 28/06:** *Continuation of the surveillance data sharing project*

That;

In order to ensure a continuous, reliable and robust seamless surveillance provision, the surveillance data sharing project is maintained for the integration of data emanating from ground-based surveillance sensors (SSR and ADS-B).

In this regard, the revised Roadmap for the surveillance data sharing is adopted as attached in **Appendix XXXX**

**Conclusion 28/07:** Implementation of the roadmap of the surveillance data sharing

That;

Under the coordination of ASECNA, a Task Force as presented in **Appendix XXXX** of this report is established to conduct the task identified by the revised Roadmap for the surveillance data sharing.

In this regard, and in accordance with the timeline set forth in the Roadmap for the surveillance data sharing project:

- a) SNMC members will provide in a timely manner, ASECNA with their surveillance data sharing requirements for satellite spectrum but not later than **DD/MM/2024;**
- b) ASECNA will convene a coordination meeting with INTELSAT during which ANSPs will, through a common principle secure the bandwidth for the surveillance data sharing project.

**Agenda Item 4:** Outcomes of APIRG 23<sup>rd</sup>, 24<sup>th</sup>, 25<sup>th</sup>, 26<sup>th</sup> Meetings with impact on SNMC activities and preparation of APIRG 27<sup>th</sup> meeting

**Conclusion 28/08:** Alignment of SNMC activities with the regional air navigation plan

That;

In order to avoid duplication and ensure the alignment of SNMC initiatives with the regional air navigation plan, AFISNET members in their planned activities, consider the relevant provision of the APIRG-RASG-AFI with impact on the network.



**Agenda Item 5:** Outcome of ITU World Radio Communication Conference 2023 (WRC-23) and Spectrum issues

**Conclusion 28/09:** Secured C-band spectrum for AFISNET

That;

In consideration of the adverse outcome of the ITU recent World Radiocommunication Conference 2023 that allocated the bandwidths 3 300-3 400 MHz & 3 600-3 800 MHz to the 5G mobile service in a primary basis in region 1, AFISNET members take the appropriate measures to protect the operation of AFISNET in line with Resolution 154 WRC-19 (Rev.) and ensure that in case of migration in an upper frequency band, the new allocation is secured for the safety of life service provision.

**Conclusion 28/10:** Spectrum requirement for the operation of AFISNET

That;

To ensure a collective approach for spectrum requirements by the satellite service provider:

- a) SNMC members provide ASECNA with, but not later than **DD/MM/2024**, their spectrum requirements for circuits to support surveillance data sharing, AMHS interconnection and any other future service for transmission to INTELSAT
- b) ASECNA coordinate a concertation of SNMC representatives meeting with INTELSAT to take place not later than **DD/MM/2024**

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

**Conclusion 28/11:** Update of the project for AFISNET Re-engineering and modernization

That;

In the relaunch of AFISNET Re-engineering and modernization exercise, the SNMC Joint Technical Team (JTE) led by ASECNA is tasked to complete not later than **31 August 2024** the following assignments:

- a) Review and update the technical specifications and administrative documents of the project including the incorporation of new identified requirements aligned with the AFI regional Air Navigation Plan.
- b) Estimate the provisional cost of the project
- c) Identify possible funding mechanisms and potential sources of financial resources mobilization

**Conclusion 28/12:** Future SNMC meeting and SNMC Board coordination meeting

That;

- 1) NAMA and ASECNA coordinated for a SNMC extraordinary meeting for the adoption of the outcome of the JTE and Tasks Force established to carry on their assigned tasks
- 2) A Board meeting be convened back-to-back with the SNMC's to update the Board Members on:
  - a) The challenges encountered by the network due to its obsolescence and the threat on operation disruption
  - b) The maturity of the re-engineering and modernization project as well as the possible funding mechanisms and fund mobilization



**Agenda Item 7:** Interconnection and interoperability of systems through AFISNET (AMHS, AIDC)

**Conclusion 28/13:** Implementation of AMHS and AIDC

That;

- a) When reviewing the technical specifications for AFISNET Re-engineering and modernization the JTE consider the required transmission rate and therefore the spectrum required to support the successful implementation of IP connectivity on AFISNET to ensure the implementation of AMHS for the transmission of aeronautical digital services (MET, NOTAM, MAP...) and future System Wide Information Management (SWIM) services.
- b) Meanwhile, ANSPs are encouraged to continue the successful, implementation of AIDC under the AFTN, for the benefit of the ATM operations, in accordance with the regional agreements set forth by APIRG.

**Agenda Item 8:** Implementation of Aeronautical Mobile Service on AFISNET

**Conclusion 28/14:** Inclusion of the survey on the availability of remote VHF in the cope of SNMC

That;

In line with APIRG Decision 25/36 on the survey of Aeronautical Mobile Service, SNMC members take the appropriate measures to conduct the evaluation of the availability of the remote VHF stations and report in the Afi Air Navigation Deficiency Data Base (AANDD)

**Agenda Item 9:** Evolutions on Satellite Communication Technology

**Conclusion 28/15:** Exploration for new satellite spectrum providers

That;

In the framework of AFISNET re-engineering and modernization, the JTE duly consider in its assigned tasks the exploration for new experienced and reliable satellite spectrum providers to support a potential migration of AFISNET to be included in the technical specifications

**Agenda Item 10:** Review of the Term of Reference and Work Programme of SNMC

**Decision 28/16:** Adoption of the Term of reference and Work Programme of SNMC

That:

The Term of Reference, Form of Agreement and Work Programme of SNMC are adopted as attached at **Appendix XXXX** and may be further amended as necessary

**Decision 28/17:** Future yearly regular SNMC meetings

That;

The future yearly regular SNMC meetings are tentatively scheduled along the rotation principle as attached in Appendix XXXX.

The Roberst FIR will coordinate with the Secretariat for 2025 meeting schedule.



**Agenda Item 11:** Review of the Draft Conclusions/Decisions of SNMC/28

**NIL**

**Agenda Item 12:** Any other business

**NIL**