



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 4: APIRG new structural organization (IIM/SG) and mechanisms (Project Approach) and its impacts on the activities of the SNMC

(Presented by the secretariat)

SUMMARY

The purpose of this paper is to update the meeting with the APIRG new structural organization (*IIM/SG*) and mechanisms (*Project Approach*) and its impacts on the activities of the SNMC

Reference:

Report of APIRG/20

Report on SNMC/23

1. Introduction

1.1 The Africa-Indian Ocean (AFI) Planning and Implementation Regional Group 20th Meeting (APIRG/20) was held, at Hotel President, Yamoussoukro, Cote d'Ivoire from 27th November to 2nd December 2015.

1.2 The outcome of the APIRG/20 Meeting relayed to communication were summarized and presented to SNMC/23 (**WP 06 SNMC/23**) together with the related conclusions/decisions as presented in the **Appendix** to this Working Paper.

2. Discussion

2.1 The APIRG/20 meeting finalized its new structural organization consisting on the establishments of its subsidiary bodies:

- The APIRG Projects Coordination Committee (**APCC**)
- The APIRG Airspace and Aerodrome Operation Sub/Group (**AAO/SG**)
- The APIRG Information and Infrastructure Sub Group (**IIM/SG**)

2.2 The Meeting also finalized the project oriented approach that will guide its future activities and identified in the IIM fields AIM, CNS and MET Projects to be planned and conducted in a regional framework in order to facilitate harmonization.

2.3 The APIRG IIM/SG is planning the meeting for its establishment in Dakar from 29 to 30 November 2016 with the objective inter alia to:

- a) Consider the AFI Air Navigation Priorities/Targets and the Projects Approach adopted by APIRG to identify and plan, Regional Projects in the **AIM, CNS, MET** fields to be implemented based on the ICAO Aviation Systems Blocks Upgrades (**ASBU**) prioritized related modules selected by the AFI Region.

- b) Establish balanced **Projects Teams** in the spirit of “*No country Left Behind*” and develop general guidelines (Roadmaps) for the conduct of the projects in order to ensure an effective coordinated planning, implementation, operation and monitoring

2.4 The main consequences of this new organization and project approach mechanisms can be identified as follows:

- 1) The planning and implementation of identified Communication Projects should be undertaken in close alignment with the AIM, ATM and MET requirements and planned Projects;
- 2) Various Projects in the above areas can be merged to a multidisciplinary coordinated project to be conducted based on collaboration decision making;
- 3) Projects Teams can be specifically composed with experts in the field or involve various expertise;
- 4) The multiple constrains experienced by ANSPs (Mobilization of Funds, constraints of National Procurement Regulations) should be addressed to ensure that “No country is not left behind”;
- 5) The operational and economic benefits expected from the new can be clearly assessed through the improvement of safety and efficiency and the assurance of cost effectiveness.

2.5 In this regard the activities of SNMC can be linked to the identified projects to be conducted within the APIRG Infrastructure and Information Management Sub Group (IIM/SG). Therefore the AFISNET Joint Technical Evaluation and Reengineering mechanism can be considered as an example of sub regional project approach in the area of Aeronautical Communication.

3. Action by the meeting

The meeting is invited to:

- a) Take note of the information here given above
- b) Encourage SNMC Members to actively attend the Meeting for the establishment of the APIRG Information and Infrastructure Sub Group (**IIM/SG**);
- c) Identify regional/sub regional Communication projects in relation with AFISNET to be conducted in order to enable the improvement of Air Navigation Service.

Appendix

APIRG/20 Conclusions with impact on SNMC

Conclusion 20/20: Restoration of the performance of AFS circuits

That States/ANSPs should as a matter of priority endeavor to restore the performance of Aeronautical Fixed Services (ATS/DS and AFTN) circuits.

Decision 20/21: Adoption of the AFI AMHS Manual and the AFI IP infrastructure test guidelines

That the AFI AMHS Manual and IP Infrastructure Test Guidelines are adopted as attached at Appendices 2.4-A and 2.4-B.

Conclusion 20/22: Implementation of AMHS

That States/ANSPs develop/revise their AMHS implementation plans and establish bilateral Memoranda of Understanding (MoUs) for the interconnection of AMHS systems and inform the ICAO Regional Offices for updates of the AFI AMHS implementation.

Conclusion 20/23: upgrade of VSAT backbone to support the interconnection and operation of AMHS

That, in order to eliminate the ground/ground limitation of the speed of the current circuits experienced during trials undertaken by ANSPs (ATNS, ASECNA), the current VSAT based ground/ground communication backbone be upgraded to support the interconnection and operation of AMHS.

Conclusion 20/26: Implementation and Interconnection of Surveillance Systems

That in the framework of the AFI surveillance implementation strategy, the ICAO Regional Offices facilitate States implementation of the AFI Surveillance Plans and interconnection of their surveillance systems in order to increase surveillance capability along the Area of Routing and provide seamless surveillance service.

Conclusion 20/29: Continued support to ICAO Position

That, in accordance with the ICAO spectrum strategy, policy Statements and related information as contained in the Handbook on Radio Frequency Spectrum Requirements for Civil Aviation (Doc 9718):

- a) States /Organizations continue to support ICAO position for WRC in particular on agenda item of high importance to the safe operation of aircraft by participation in the national and regional/sub regional preparatory Meetings for ITU WRC Meetings; and
- b) The Secretariat reinforce the coordination of the initiatives that will ensure the alignment of their national position with ICAO position for WRC.

Conclusion 20/30: Protection of C band spectrum

That in accordance with Resolution 154 (Rev. 154 WRC-15), States /Organizations take the appropriate measures in order to ensure the protection of the satellite C-band operated by the AFI VSAT networks:

- a) Registration of the aeronautical VSAT frequencies in the States register held by the national authorities of regulation of telecommunication; and
- b) Follow-up with the concerned authorities in the States to further register the frequencies in the ITU Master International Frequency Register (MIFR).

Conclusion 20/31: Reinforcement of the Capacity of AFI CNS Personnel**That in order to ensure an effective implementation of the APIRG identified projects:**

- a) States /Organization should pursue their efforts in developing CNS personnel capacity building through consolidated training plans and programmes. In doing so, they should make optimum use of available expertise in the AFI Region; and
- b) ICAO should continue to support CNS personnel capacity building through workshops and seminars.

Conclusion 20/32: Coordination for air navigation service planning and implementation**That in the framework of its new structure and project based approach, APIRG should establish appropriate mechanisms to ensure efficient coordination of planning and implementation of air navigation services (AGA, AIM, ATM, CNS, SAR and MET).**