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**Twenty-Eighth Meeting of the AFI Satellite Network Management Committee  
(SNMC/28) Abuja, Nigeria 06-10 May 2024**

**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**

**François-Xavier SALAMBANGA**  
*Regional Officer CNS, ICAO WACAF*



# SUMMARY

Introduction

Outcome

Next Steps



## Introduction

- **APIRG & RASG – AFI meetings are held yearly**
- **AFISNET related topics are discussed in the IIM Projects and the IIM subgroup**
- **APIRG Conclusions and Decisions adopted cover all ANS areas including AFISNET related scope**
- **Deliberation under ATM, AIM & MET may have impact on AFISNET activities**



## *APIRG/23 Conclusion 23/25: Cyber Safety and Resilience of the Air Navigation Systems*

**That;**

**In order to reinforce States/Organizations technical personnel capability in cyber securing ANS systems, ICAO with the collaboration of the industry within the framework of the APIRG, increase its support in activities aimed at raising awareness of ANS Cyber safety and resilience through webinars/workshops/seminars on Cyber safety and resilience of ANS systems for the AFI Region.**



## ***APIRG/23 Conclusion 23/26: Preparation of ITU WRC-23***

**That, in order to promote ICAO Position and ensure the proper protection of aeronautical spectrum, States/Organizations:**

- a) start the work for the preparation of WRC-23 as soon as the ICAO Position for ITU-WRC-23 Agenda Items on aeronautical spectrum requirements is made available to them; and**
- b) based on the lessons learnt from the last WRCs, reinforce their collaboration with the sub Regional Associations of National Regulators of Telecommunication and work closely with ATU.**



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**APIRG23 Conclusions**



***APIRG/23 Conclusion 23/32: Endorsement of AANDD Management process  
and minimum Reporting Areas and nomination of Focal Points***

**That, in order to support the implementation of the Uniform Methodology for the identification, assessment and reporting of deficiencies:**

- a) The AFI Air Navigation Deficiency Database management process as well as the revised minimum reporting areas are endorsed; and**
- b) States and Organizations that have not yet done so, are urged to nominate as a matter of urgency, not later than 31 January 2021, Focal Points for interaction with the AANDD**



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# NO COUNTRY LEFT BEHIND APIRG23 Conclusions



## ***APIRG/23 Conclusion 23/39: Publication of the APIRG Air Navigation Report 2019/2020***

**That, in order to ensure timely release of the AFI Annual Air Navigation Report:**

- a) States, AFCAC, ASECNA, ATNS, AIRBUS, IATA and CANSO nominate their representatives to the Annual Air Navigation Reporting Team (AANRT) by 31 December 2020, to develop and coordinate the publication of the APIRG Annual Air Navigation Report for 2019/2020 by 31 March 2021; and**
- b) States and Organizations wishing to provide their contributions to the APIRG Air Navigation Report 2019/2020 submit such contributions to the Secretariat by 31 December 2020.**



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**APIRG/24 Conclusions**



***APIRG/24 Conclusion 24/37: Implementation of AMHS in the AFI Region***

**That, in order to ensure the interoperability of the AMHS systems in the AFI Region:**

- a) States shall continue their efforts in the implementation of AMHS, while proceeding with the secure migration to TCP/IP of the bilateral links between adjacent centers; and**
- b) The IIM Sub-Group shall finalize by 31 March 2022 at the latest the project documents and thereafter accelerate the implementation in accordance with the sub-group activities schedule.**





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**APIRG/24 Conclusions**



***APIRG/24 Conclusion 24/ 38: Strengthening cooperation for the effective Implementation of AMHS in the AFI Region***

**That, in order to ensure the effective implementation of AMHS in AFI Region, States/Organizations to:**

- a) Strengthen, through bilateral and multilateral arrangements, their cooperation for an effective, coordinated and secure implementation of AMHS as a prerequisite for the deployment of the ground segment of the aeronautical telecommunication network (ATN) and to this end;**
- b) Conclude technical agreements detailing the processes and procedures for interconnection between AMHS systems; and**
- c) Plan and conduct with industry by August 2022, the necessary training for the deployment and secure operation of AMHS in the AFI region and report to the APIRG subsidiary bodies for assessment.**



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APIRG/24 Conclusions



***APIRG 24 Decision 24/ 39: Endorsement of the revised list of ANS Minimum Reporting Areas***

**That, in order to support the implementation of the Uniform Methodology for the identification, assessment and reporting of deficiencies,**

- a) the revised list of Minimum Reporting Areas contained in Appendix 30 is endorsed; and**
- b) States requiring assistance in the use of the AANDD, may approach the ICAO Regional Offices for guidance and support**



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APIRG/24 Conclusions



## ***APIRG/24 Conclusion 24/ 44: Cyber security and resilience of CNS/ATM systems***

**That, in order to address cybersecurity issues:**

- a) States/Organizations are encouraged to promote cyber security culture and resilience of CNS/ATM systems in all parts of the civil aviation industry through the development of cyber security policies supported by a national plan;**
- b) Service providers (airlines, airport operators ANSPs etc.) develop plans to implement the above national policy and collaborate with industry to address cyber security issues; and**
- c) IIM's COMProject5 , with the support of the Secretariat and the industry, to identify and conduct trainings as required.**



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APIRG/24 Conclusions



*APIRG/24 Conclusion 24/ 47: Participation in the next validation workshop of the Cost/Benefit analysis for the implementation of SBAS in Africa*

**That, in order to validate the AUC/AFCAC Cost/Benefit analysis on the implementation of SBAS in Africa, States and Organizations are urged to participate in the validation workshop of the study outcome for the implementation of SBAS in Africa. identify and conduct trainings as required.**



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**APIRG/24 Conclusions**



***APIRG/24 Decision 24/ 51: Terms of Reference of the APCC in the APIRG Procedural Handbook***

**That, in order to extend the membership of the APCC to the industry, represented by IATA in its current composition, the updated Terms of Reference of the APCC in the Procedural Handbook is endorsed.**



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APIRG/25 Conclusions



*APIRG/25 Decision 25/20: Consideration of the outcome of the Fifth Meeting of the African ANSPs*

**That,**

**To assist States in improving the provision of Air Navigation services and reinforce the collaboration amongst States/organizations, the Project Teams consider the key outcomes of the Fifth Meeting of the African ANSPs held in March 2012 when revising and implementing the AFI Regional ANS Projects.**



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**APIRG/25 Conclusions**



***APIRG/25 Conclusion 25/22: Support to ICAO Position for ITU WRC- 23***

**That; In preparation of the ITU World Radiocommunication Conference 2023 (ITU WRC-23), Administrations/Organizations:**

- a) **contribute, when possible, to the Frequency Spectrum Management Panel (FSMP) efforts to update the ICAO position to reflect the outcome of ITU-R studies and the concerns identified by the AFI Region;**
- b) **liaise with Sub Regional Telecommunication organizations such as the West African Telecommunication Regulators' Association, the Communication Regulators' Association of Southern Africa and where possible participate in the work of the African Telecommunication Union (ATU) and ITU-R; and**
- c) **work with national radio regulators to secure a national/regional position in line with ICAO's position.**



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**APIRG/25 Conclusions**



***APIRG/25 Conclusion 25/24: Support of the African Union Commission to the implementation of SBAS in the AFI Region***

**That,**

**To complement the AUC/AFCAC Cost-Benefit analysis on the introduction of GNSS/SBAS services in the region, and provide States with a complete set of recommendations supporting their decision-making, AFCAC, should initiate a study on the governance and institutional issues related to SBAS in Africa, and facilitate the mobilization of required resources to support the effective implementation of SBAS in the AFI Region in accordance with the future revised AFI Regional GNSS Strategy**





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**APIRG/25 Conclusions**



***APIRG/25 Draft Decision 25/36: Survey of Aeronautical Mobile Service***

**That in order to ensure an efficient monitoring of the performance of AFI Mobile Communication Service;**

- a) The mandate assigned to IATA for the conduct of AMC Surveys every 18 months under APIRG Conclusion 16/20 and Decision 16/19 is terminated as a result of the annual meeting cycle prescribed for PIRGs;**
- b) States are urged to report to ICAO Regional Offices Aeronautical Mobile Service deficiencies in accordance with the Uniform Methodology for the Identification, Assessment and Reporting of Air Navigation Deficiencies; and**
- c) The APIRG IIM/SG review and analyze Aeronautical Mobile Communications data in the AFI region based on available methods (e.g. AANND, UCR/ASR and States Service and Technical Reports).**



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**APIRG/25 Conclusions**



***APIRG Conclusion 25/38: Implementation of modern Aeronautical Fixed Service (AMHS and AIDC)***

**That;**

**In order to ensure an effective implementation of modern Aeronautical ground/ground communications,**

- a) ICAO with the support of stakeholders from the industry (Manufacturers, ANSPs, Communication Service Providers, Users...) develop and implement by 30 June 2023, Training platforms or Webinars to promote and assist in the migration from AFTN to AMHS and the implementation of AIDC in the AFI region; and**
- b) States update their SMEs contact details and share implementation status, challenges or issues encountered during the implementation of AMHS and AIDC with other ANSPs/States**



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APIRG/25 Conclusions



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APIRG/25 Conclusions



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- b) States update their SMEs contact details and share implementation status, challenges or issues encountered during the implementation of AMHS and AIDC with other ANSPs/States**



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**APIRG/26 Conclusions**



***APIRG/26 Conclusion 26/18: Implementation of modern Aeronautical Fixed Service (AMHS and AIDC)***

**That, to ensure the effective implementation of ground/ground ATN components (AMHS, AIDC...) in the AFI region, States and the industry stakeholders to :**

- a) Expedite in a coordinated and harmonized manner, the upgrade of the ageing satellite based aeronautical telecommunication networks;**
- b) Register their AMHS routing directories ; and**
- c) Conduct proper AMHS Inter-Operability Pre-Operational Tests (POT) for the migration of bilateral circuits to AMHS and report to the AMHS Management Centre (AMC) and to APIRG.**



## Next Steps

- a) Reporting on APIRG/23-26 Conclusions/Decisions:  
<https://www.icao.int/WACAF/Pages/apirg22.aspx>
- b) Implementation of the conclusions/decisions through the IIM/SG Project
- c) Revitalization of AFISNET Projects activities through the Joint Technical Team for AFISNET re-engineering
- d) Conduct of the agreed activities emanating from the current meeting



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