



Third Meeting of the APIRG IIM/SG, 12-14 October 2020

Agenda Item 3 : Conclusions and Decisions of APIRG 22nd meeting in the areas of Aeronautical Communication Navigation Surveillance and Spectrum (CNS)

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Outline

- ❑ **Introduction**
- ❑ **Discussion: “Conclusions and Decisions of the APIRG 22nd meeting in the areas of CNS”**
 - Outcome of the Second meeting of the APIRG Infrastructure and Information Management (IIM SG/2)
 - Update on CNS Matters
 - Regional initiatives by States and from the industry
- ❑ **Action by the Meeting**



Introduction

The Twenty-second Meeting of the AFI Planning and Implementation Group (APIRG/22) was held in conjunction with the Fifth Meeting of the AFI Regional Aviation Safety Group (RASG- AFI-5) at the Movenpick Ambassador Hotel in Accra, Ghana, from 29 July to 2 August 2019.

The meetings were attended by 217 participants from AFI States, Regional / International Organizations and industry.

This presentation summarises the WP/3B on the outcome of the APIRG/22 & RASG AFI/5 meetings in the areas of Aeronautical Communication Navigation Surveillance and Spectrum (CNS)



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Effective and efficient participation of Administrations in the IIM Projects activities

APIRG/22 Conclusion 22/22: Effective and efficient participation of Administrations in the IIM Projects activities

That:

Administrations/Organizations members of the APIRG IIM subgroup, assess prior to their commitment, their capability, capacity and availability to ensure an effective participation of their representatives to the activities of the Sub Group, including Projects coordination Teleconferences and accordingly provide them with the adequate facilitation for their full involvement.



Effective coordination of IIM COM Project 2, AIM Project 3, Spectrum Project and MET Project 2

APIRG/22 Conclusion 22/23: Effective coordination of IIM COM Project 2, AIM Project 3, Spectrum Project and MET Project 2

That;

As a matter of urgency:

- a) Nigeria (coordinator of AIM Project 3 and COM Project 2), Senegal (coordinator of MET Project 2) and Uganda (coordinator of Spectrum Project 1) confirm to the APCC with copy to the Secretariat, their commitment to effectively lead the respective projects teams they were volunteer to coordinate;*
- b) States willing to coordinate the above projects express their interest to the Secretariat in case the current nominated States may not be willing to continue the coordination.*



Report on APIRG outcome and Update of the deficiencies in the areas of AIM, CNS and MET

APIRG/22 Conclusion 22/24: Report on APIRG outcome and Update of the deficiencies in the areas of AIM, CNS and MET

That:

- a) Administrations regularly report on the status of implementation of the APIRG meetings outcome through ANRFs;*
- b) IATA and concerned Administrations/Organizations take the appropriate actions to update, assess and address deficiencies identified in the areas of AIM, CNS and MET with regard to the AFI air Navigation Plan procedures.*



ICAO support to IIM activities

APIRG/22 Conclusion 22/25: ICAO support to IIM activities

That;

ICAO reinforces its support to the activities of the APIRG IIM Sub-Group, in particular those related to the conduct and coordination of regional projects by:

- a) The effective activation of the Regional Air Navigation Assistance Teams (RANSTs) to conduct support missions to States in accordance with Decision 21/03: Establishment of Regional Air Navigation Support Teams (RANSTs) APIRG/21;*
- b) Organizing workshops, seminars on the emerging technologies/systems involved in the GANP technology Roadmap in support to regional IIM projects.*



Amendments to the AFI Aeronautical Surveillance implementation strategy

APIRG/22 Conclusion 22/26: Amendments to the AFI Aeronautical Surveillance implementation strategy

That:

Considering the deployment of new technologies and the need for a rationalized aeronautical infrastructure, the surveillance Project Team develops proposals for amendments to the AFI Aeronautical Surveillance implementation strategy and report to the APCC.



Implementation of AMHS in the AFI Region

APIRG/22 Conclusion 22/27: Implementation of AMHS in the AFI Region

That;

In order to ensure a robust and sustainable operation of the future ATM systems in compliance with the timeframe of the technology roadmap for the implementation of ICAO ASBU threads, Administrations/Organizations are urged to speed up the planning, implementation, operation and monitoring of AMHS.

- ***Status of the implementation of AMHS and AIDC in the AFI Region (Attachment A to the WP/3B)***



Seamless Aeronautical Surveillance Service

APIRG/22 Conclusion 22/28: Seamless Aeronautical Surveillance Service

That:

a) Administrations/Organizations plan and implement ground base surveillance sensors (SSR Mode S, ADS-B) data shearing in order to provide a seamless aeronautical surveillance Service through within and across FIRs in concerned Area of Routing;

b) ICAO and AFCAC, provide the continue desirable support for project development, training, mobilization of funding

- *The status of implementation of SSR, ADS-C and ADS-B and the illustration of SSR Mode S and ADS-B coverage in AFI Area of Routing AR-5 are presented respectively by Appendices B and C*



Support to ICAO Position for ITU WRCs

- ***APIRG/22 Conclusion 22/29: Support to ICAO Position for ITU WRC-19***

That:

- *Administrations are urged to intensify the supporting initiative and actions towards their national Authority of Regulation of Telecommunication to ensure that the ICAO position for WRC-19 is shared understood and reflected in the national position of the State to the Conference.*
- *In doing so, they will ensure as well as possible their participation in the national coordination meetings and in the Conference itself, coordinating between the CAA with the aviation industry to identify the national concerns on spectrum and promoting ICAO policy in the matter prior to the Conference.*



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SBAS for Africa and Indian Ocean Initiative

APIRG/22 Conclusion 22/39: SBAS for Africa - Indian Ocean Initiative

That, while taking note of the “SBAS for Africa - Indian Ocean” initiative by 17 member States of ASECNA,

a) AFCAC should fast-track the conduct of a continental cost-benefit analysis (CBA) on SBAS implementation in the region by June 2020, to support the decision making process by States and stakeholders, and to enable update of the AFI GNSS strategy accordingly;

b) ICAO and AFCAC organize a regional workshop with all stakeholders involved in SBAS implementation thereafter.



Mandate for ADS-B Transponder Extended Squitter 1090 equipment in the AFI Region

APIRG/22 Conclusion 22/40: Mandate for ADS-B Transponder Extended Squitter 1090 equipment in the AFI Region

That:

- a) States and aircraft operators ensure that all aircraft operating within the AFI RVSM airspace are equipped with ADS-B Transponder Extended Squitter 1090 by June 2023 (AIRAC date);*
- b) An Assessment for a Go or No Go Decision be conducted on 2022 targeting 90% aircraft equipped with Transponder Extended Squitter 1090 for AFI RVSM airspace as the threshold; and*
- c) States and aircraft operators ensure that all aircraft operating within the AFI Region airspace are equipped with ADS-B Transponder Extended Squitter 1090 by January 2025 (AIRAC date).*
- d) While setting up a mandate for ADS-B Transponder Extended Squitter 1090 equipment in the AFI Region consideration should be given to airlines of the region by allocating them enough time to comply through the retrofit of the legacy fleet or the upgrade of their fleet with compliant aircraft.*



Action by the Meeting

The meeting is invited to:

- a) note the information provided in this working paper;
- b) review the APIRG/22 Conclusions/Decisions pertaining to CNS provided in this working paper and its Appendix A, identify those that continue to be valid as well as actions to further facilitate their implementation; those that are no longer applicable (actions completed, covered by others, overtaken by events or otherwise redundant);
- c) review the formulation used in the Conclusions and Decisions which continue to be valid/relevant, and take other action as necessary in light of the discussion in this working paper, to facilitate implementation.



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