



INTERNATIONAL CIVIL AVIATION ORGANIZATION  
WESTERN AND CENTRAL AFRICAN OFFICE

First Meeting of the APIRG Airspace and Aerodrome Operations Sub-Group  
(AAO SG/1)

(Dakar, Senegal, 29 to 31 May 2017)

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**Agenda Item 4: Identification of the linkage between APIRG Projects**

**4.2 Linkage between APIRG AAO/SG and IIM/SG Projects**

*(Presented by the Secretariat)*

<b>SUMMARY</b>
This paper presents an over view of factors leading to the establishment of the APIRG Airspace and Aerodrome Operations Sub-Group (AAO/SG) and associated projects. It also provides the linkage between APIRG AAO/SG and IIM/Projects.
<b>REFERENCES:</b>  – GANP 4th edition – APIRG/20 Report – APCC/1 Report
This Working Paper is related to Strategic Objective: <b>A</b>

**1. INTRODUCTION**

1.1 The alignment of the Regional Air Navigation System Implementation Plan with the ASBU Methodology was discussed in the APIRG/19 Meeting, held in Dakar, Senegal from 28 to 31 October 2013. In considering the implications for APIRG under the new ICAO Global Air Navigation Plan (GANP) and being mindful of the outcome of the SP AFI/08 RAN Meeting, APIRG/19 decided, amongst others, to review its working methods and organization using project management principles and other methodologies as and when necessary, and consider making adjustments to better support the ICAO performance framework in its planning and implementation activities aligned with the aviation system Upgrades.

1.2 In its 20<sup>th</sup> meeting, APIRG adopted its new structure which the included the Airspace and Aerodrome Operations Sub-Group (AAO/SG). The AAO/SG comprised ATM and AGA technical Areas.

1.3 Through APIRG Conclusion 20/49, the set of projects identified by previous APIRG sub groups including AOP and ATM were adopted and made applicable to the AAO/SG by the APIRG Projects and coordination committee in its first meeting held in Nairobi from 30-31 January 2017 which also formally dissolved the AOP/SG through Decision 1/01.

1.4 The APIRG Projects Coordination Committee (APCC), in its first meeting held in Nairobi, Kenya from 30 to 31 January, directed that the APIRG Sub-groups should establish linkage between Projects to be under taken by the Sub-groups to enhance coordination, eliminate duplication and create synergies.

## 2. DISCUSSION

2.1 In response the APCC directive, this working papers attempts to establish linkages that may exist between all APIRG projects.

2.2 Projects identified by the APIRG/20 meeting are listed in **attachment 1** to this working paper as well as the linkage between the projects under APIRG AAO/SG and IIM/SG. p

## 3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the information provided in this working paper;
- b) Review the Linkage between APIRG AAO/SG and IIM/SG Projects as provided in this working paper.

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## APPENDIX

### AAO PROJECTS

#### AGA – Projects

1. Training and qualification of Technical staff (Regulators & Airport operators)
2. Aerodrome data management (determination, reliability and publication)
3. Aerodrome Rescue and Firefighting Services (RFFS)
4. Aerodrome Emergency Planning (AEP), including Public Health Emergencies
5. Wildlife, Environmental & Land use Management/ Obstacle Control
6. Implementation of Runway safety programmes at aerodromes
7. Aerodrome Maintenance and Runway Conditions Reporting
8. Aerodrome Maintenance and Runway Conditions Reporting
9. Aerodrome Certification (SMS implementation, regulatory framework and operator documentation)
10. Establishment and implementation of A-CDM

#### ATM – Projects

1. PBN Airspace Concept (Airspace Design)
2. AFI Optimized Route Trajectories and Airspace (AORTA)
3. AFI SSR Code Allocation and Assignment Review (ASCAA)
4. ATS Competency Study
5. Contingency Planning and Operational Coordination (CPOC)
6. Assistance on State Safety Programme Implementation (ASSPI)
7. Operational Requirements for CNS (OPREC)
8. NAVSPEC and Separation Minima Transition (NASMIT)
9. Civil/Military Cooperation & FUA Seminar/Workshops
10. RVSM & Operational Safety in ATS
11. Estimation, Reporting and Monitoring of Benefits from Operational Improvements (ERMBOI)
12. Development of SAR plans for RCC/JRCC/RSC
13. Develop SAR legislation & Regulation for promulgation

## **IIM PROJECTS**

### **AIM –Projects**

1. Assessment and development of QMS applied to AIM in AFI States
2. Implementation of Aeronautical Information Exchange Systems (AIXM)
3. Implementation of the provision of electronic terrain and obstacle data ( e-TOD)  
(AFI Region)

### **CNS –Projects**

1. Identification of development of CNS-Communications projects
  - a. G/G coordination
  - b. Aeronautical and MET data flow
  - c. Air/Ground Communication
  - d. Maintain an acceptable QoS
2. Navigation and others
  - a. Effective implementation of Aeronautical radio navigation Systems
  - b. Protection of Aeronautical spectrum
  - c. CNS Data collection
  - d. Security of CNS Infrastructures
  - e. Contingency and backup
3. Surveillance
  - a. Implementation of Surveillance systems
  - b. Interconnection/ Interoperability of surveillance system
  - c. Interconnection/ Interoperability of surveillance systems
  - d. Establishment of Surveillance Requirements and Optimization Parameters

### **MET –Projects**

1. Implementation of information concerning en-route weather phenomena which may affect the safety of aircraft operations (SIGMET), Quality Management System for aeronautical meteorology (QMS/MET) service, in the AFI region
2. Implementation of Terminal Area Warnings and Forecasts, Provision of WAFS Forecasts and Optimization of OPMET data exchanges in the AFI Region

APIRG AAO/SG and IIM/SG Projects

	AI M <sub>1</sub>	AI M <sub>2</sub>	AI M <sub>1</sub>	CN S <sub>3</sub>	CN S <sub>1</sub>	CN S <sub>2</sub>	CN S <sub>3</sub>	ME T <sub>1</sub>	ME T <sub>2</sub>	ME T <sub>3</sub>
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	AI M <sub>1</sub>	AI M <sub>2</sub>	AI M <sub>1</sub>	CN S <sub>3</sub>	CN S <sub>1</sub>	CN S <sub>2</sub>	CN S <sub>3</sub>	ME T <sub>1</sub>	ME T <sub>2</sub>	ME T <sub>3</sub>
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