



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**Fifth Meeting of the APIRG Infrastructure and Information Management Sub-Group  
(IIM/SG5)**

*(Virtual, 26 - 29 July 2022)*

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**Agenda Item 3: Achievements in AIM, CNS and MET**

**3.1. Status of implementation of applicable ASBU elements**

**WP3.1A5 Alignment of the IIM/SG Projects to the 6<sup>th</sup> Edition of the GANP**

*(Presented by the Secretariat)*

SUMMARY
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<p>This working paper presents the ASBUs Modules and thread revised by the 6<sup>th</sup> Edition of the Global Air Navigation Plan (GANP Doc.9750 -Ed.6) and discusses the way to subsequently align update the APIRG Infrastructure and Information Management Projects in accordance with the new provision of the GANP.</p>
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<p>Action by the meeting in paragraph 3</p>
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<p><b>REFERENCE(S):</b></p>
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| <ul style="list-style-type: none"><li>▪ Fifth and Sixth Edition of the GANP (Doc. 9750 Ed-5 and Ed-6)</li><li>▪ Reports on APIRG 24 and APIRG precedent Meetings</li><li>▪ Reports on IIM/SG 4<sup>th</sup> and precedent meetings</li></ul> |
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<p>This working document is related to <b>ICAO Strategic Objectives: A: Safety and B: Capacity and Efficiency</b> and all ASBU Threads and Modules governing AIM, CNS and MET service provision.</p>
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**1. INTRODUCTION**

1.1 The Global Air Navigation Plan in its 5<sup>th</sup> Edition defined the Aviation System Bloc Upgrades and threads together with the technology Roadmap for implementation.

1.2 Subsequently the **AFI Planning and Implementation Regional Group (APIRG) Infrastructure and Information Management Subgroup (IIMSG/)** identified regional projects in the areas of AIM, CNS and MET aligned with the Regional Air Navigation Plan.

1.3 The 6<sup>th</sup> Edition of the GANP introduced changes that should be reflected in the regional and national plans.

**2. DISCUSSIONS**

2.2 APIRG identified from the 5<sup>th</sup> Edition of the GANP, the ASBUs modules applicable to the AFI Region. These modules were categorized, prioritized, and made available to the APIRG Subgroups for planning, implementation, and monitoring. In the projects approach mechanism developed by APIRG, the APIRG IIM Subgroup developed regional projects for the implementation of AIM, CNS and MET service in support to the Air Navigation Service (ANS) provision.

2.3 The 6<sup>th</sup> Edition of the GANP is organized into a multilayer structure with each layer tailored to different audiences. The four-layer structure of the GANP is made up of global (strategic and technical), regional and national levels, and provides a framework for alignment of regional, sub-regional and national plans. The four-layer structure facilitates decision making by providing a stable strategic direction for the evolution of the air navigation system and, at the same time, timely relevance in the technical content.

2.4 This edition developed a **Basic Building Block (BBB) framework** that outlines the foundation of a robust air navigation system and identifies basic services to be provided for international civil aviation in accordance with ICAO Standards. These basic services are defined in the areas of aerodromes, air traffic management, search and rescue, meteorology, and information management.

2.5 In addition to basic services, the BBB framework identifies the end users of these services as well as the assets (communications, Navigation, and Surveillance (CNS) infrastructure) that are necessary to provide them.

2.6 The new edition of the GANP global technical level includes an **Aviation System Block Upgrades (ASBUs)** framework, with its associated performance framework, which includes performance objectives through eleven (11) **Key Performances Areas (KPAs)** and nineteen (19) **Key Performance Indicators (KPIs)**. The 6<sup>th</sup> Edition of the GANP consequently revised/updated the ASBUs modules and thread as attached in and, the modules dedicated to the areas of AIM, CNS and MET are summarized in the table attached as **Appendix 1** to this working Paper.

2.7 The ASBU framework drives the evolution of the global air navigation system towards the achievement of the identified performance ambitions by defining operational improvements and associated performance benefits, derived from specific concepts of operations defined in the different evolutionary steps of the conceptual roadmap.

2.8 Once, validated and made available for deployment, these operational improvements support the adoption of a holistic, performance-based approach towards modernizing the air navigation system in a cost-effective manner. The adoption of a globally harmonized performance management process for the modernization of the air navigation system is necessary to align global, regional, and national plans.

An ASBU performance dashboard combining KPIAs and KPIs can be found at: <https://www4.icao.int/ganportal/ASBU/PerformanceDashboard> and dependency graph between ASBUs modules can be found at <https://www4.icao.int/ganportal/ASBU/Dependency/Graph>. The list of KPAs and KPIs is provided in **Appendix 2** to this Working Paper.

2.9 In view of the above the above its is advisable to review the IIM Projects documents to take into consideration. The alignment should consist on but not limited to the following actions:

1. Identification of the ASBUs modules applicable to the projects
2. Identification of the Key Performance Areas and Key Performance Indicators related to the project
3. Revision of the project document similarly to the example of revised Project document is attached at **Appendix 3** to this Working Paper

### 3. ACTIONS BY THE MEETING

3.1 The meeting is invited to :

- a) Take note of the information provided in this Working Paper
- b) Conduct the appropriate actions aiming at an effective alignment of the IIM Project with the provision of the GANP 6<sup>th</sup> Edition

#### 3.2. Decision 5/xx : Alignment of the IIM/SG Projects to the 6th Edition of the GANP

**That, in order to promote the implementation of the applicable elements of the ASBU modules to the region in the AIM, CNS and MET domains, the IIM project references are aligned with the GANP 6th edition groups, threads and elements as provided in Appendices X, Y, Z.**

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