INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fourth Meeting of the APIRG Airspace and Aerodrome Operations Sub-Group (AAO SG/4), Virtual Meeting, 16 to 18 August 2021

Agenda item 3   **Planning and Implementation**

Agenda Item 3.3   **Other Air Navigation Initiatives**

IMPLEMENTATION OF 6TH EDITION GANP WITHIN THE AFI REGION

(Presented by South Africa)

SUMMARY
This working paper outlines the key changes introduced by the 6th Edition of the Global Air Navigation Plan and the impact it has on the AFI Region in terms of National and Regional Plans, ASBU Reporting and Referencing as well as current AAO and IIM Projects; **Action by the meeting in paragraph 3**
REFRENCE(S): • Global air navigation plan (Doc 9750) • Global air traffic management operational concept (Doc 9854)
ICAO Strategic Objectives: A-Safety B- Air Navigation Capacity and Efficiency KPIS and concerned ASBU Modules: ALL

1. INTRODUCTION

1.1   The 39th Session of the ICAO Assembly endorsed the fifth edition of the GANP, which included updates to the Aviation System Block Upgrades (ASBU) framework. The Assembly also highlighted the need for a more comprehensive update of the sixth edition with further enhancements as part of the evolution towards a performance-driven strategic planning environment, which interacts with regional and national research, development and implementation programmes.

1.2   The Global Air Navigation Plan Sixth Edition (GANP 6th Ed.) ICAO Document 9750 introduces a number of changes to the format as well as content of the GANP.

1.3   The 6th Edition of the GANP is available in electronic format from the ICAO GANP portal accessible through https://www4.icao.int/ganpportal/

2. DISCUSSIONS

2.1   The sixth Edition GANP introduces a number of changes such as the introduction of the Basic Building Block (BBB) Framework, revised Threads; replacement of Performance Improvement Areas with three new groups; new, amended and re-structured modules.

2.2   The BBB framework describes the basis of any robust air navigation system. It identifies essential services required to be provided by States for international civil aviation in accordance with ICAO Standards and Recommended Practices (SARPs). These essential services are defined in the areas of Aerodromes, Air Traffic Management (ATM), Search and Rescue (SAR), Meteorology (MET) and Information Management (IM). The BBB framework also identifies the end users of these services, as well as the Communications, Navigation and Surveillance (CNS) infrastructure that are necessary to provide the services and is the baseline representation for service provision and operational improvement.

2.3   The BBB framework will be updated every two years taking into account amendments to ICAO provisions.

2.4   Another key concept in the updated framework is the categorisation of the ASBU Threads into three overarching groups namely Operational, Information and Technology. All the threads and associated modules have now been structured underneath these three groups, replacing the previously defined Performance Improvement Areas (PIAs) of Airport Operations, Globally Interoperable Systems and Data, Optimum Capacity and Flexible Flights and Efficient Flight Paths.

2.5   In terms of the GANP 5th Edition Threads, ASEP, CCO, CDO and RPAS has been discontinued, however the GANP 6th Edition contains five newly created Treads of COMI, COMS, CSEP, GADS and NAVS and with DATM amended to DAIM.

2.6   Based on the above, a review and revision will be required by States of their National ASBU plans, aligned to APIRG 22 Conclusion 30, to ensure alignment with the revised GANP and based on the Basic Building Block (BBB) Framework, revised Threads; replacement of Performance Improvement Areas with the three new groups; new, amended and re-structured modules.

APIRG/22 Conclusion 22/30: Harmonization of the implementation of ASBU elements in the AFI Region.

That, in order to ensure a harmonized implementation of ASBU elements:
   a) States:
    i) Strengthen the necessary bilateral and multilateral arrangements for the coordinated and effective implementation of the ASBUs modules with the view of ensuring systems and services interconnectivity and interoperability.
    ii) Appoint National Focal Points to coordinate at State level the implementation of ASBU;
    iii) Develop National Implementation Plans for the coordinated implementation of ASBU.
   b) ICAO provides more Training workshops to improve the understanding on ASBU and the new modules for Block 1.

2.7   In line with APIRG Conclusion 23/15, the reporting of ASBU implementation status by States on the Air Navigation Reporting Forms (ANRFs) would need to be amended:

APIRG/23 Conclusion 23/15: Establishment of mechanism for air navigation reports

That, in order to provide assistance to States in filling the ANRF:
   a) ICAO Regional Offices organize a workshop, to sensitize States on filling of ANRF be organized, by 31 March 2021; and
   b) States establish a mechanism for the collection of data to ensure annual reporting to the ICAO Regional Offices of air navigation upgrades, improvements and modernization, in particular information on status of implementation of ASBU modules.

2.8   This in turn also affects the references of the current AAO and IIM Projects to ASBU Threads as contained in the 5th Edition GANP, which would also need to be reviewed and amended as it could potentially affect the scope of the projects:

APIRG/23 Conclusion 23/21: Coordination of Regional AAO and IIM Projects

That, in order to comply with ANS operational requirements:

a) Each PTC with the support of the Secretariat regularly reviews the project document, identify and act upon IIM project linkage with AAO Projects and circulate a linkage matrix amongst Projects Teams; and

b) The Projects Teams identify coordination actions to be undertaken in order to prevent duplication and ensure harmonization of the implementation of ASBU modules and threads.

3. ACTIONS BY THE MEETING

3.1   The meeting is invited to:

a)   Take note of the contents of the paper and the impact of the 6th Edition GANP on current State National Plans, State and APIRG Projects and Reporting

b)   Support the adoption of the following conclusions:

i.   **Draft Conclusion /Decision 4/xx : Review of State National ASBU Plans**

That;

a)   AFI States review and conduct a gap analysis between their National ASBU Plans and the 6th Edition GANP and amend their National Plans accordingly by xx2021.

b)   AFI States ensure that reporting of ASBU Implementation Status on the ANRFs are aligned to the 6th Edition GANP by xx 2021.

ii.   **Draft Conclusion /Decision 4/xx : Review of AAO and IIM Projects ASBU references in relation to the 6th Edition GANP.**

That;

The AAO and IIM PTCs review current project references to ASBU Threads as contained in the 5th Edition GANP and align to the 6th Edition GANP Groups, Threads and Modules by xx 2021.

iii.   **Draft Conclusion /Decision 4/xx : Implementation date for GANP 6th Edition**

That;

The AFI Region define a target date for the use of GANP 6th Edition revised Groups, Threads and Modules.

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