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Agenda Item 3: Implementation on Air Navigation Matters
3.1 Global/Regional air navigation developments

GLOBAL AIR NAVIGATION PLAN (GANP) FIFTH EDITION DEVELOPMENTS

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
The Global Air Navigation Plan (GANP) explores the need for more integrated aviation planning at both the regional and State level and addresses required solutions by introducing the consensus-driven Aviation System Block Upgrades (ASBU) systems engineering modernization strategy.	
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP) ver. 3.1• Fifth Edition of the Global Air Navigation Plan (Doc 9750)• The Aviation System Block Upgrades (ASBU)• The Framework for Global Harmonization Issued in July 2016

1. Introduction

1.1 The 12th. Air Navigation Conference (AN-Conf/12) agreed Recommendation 6/1 [*Regional Performance Framework – Planning Methodologies and Tools*] regarding the alignment of regional Air Navigation Plans (ANP) with the Fourth Edition of the *Global Air Navigation Plan* (GANP) (Doc 9750 Fifth Edition): <https://www.icao.int/airnavigation/Pages/GANP-Resources.aspx>

1.2 ICAO recognized that the NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP) is still needed and represented the bridge between, from one side, the global provisions in the *ICAO Standards and Recommended Practices* (SARPs) and the GANP, and from the other side, the States' national plans and current implementation. In this regard it is considered the following:

- a) the RPBANIP has so far been developed to set forth, in detail, the requirements for international air navigation within the region. It also contained planning and guidance material. It is noted that the monitoring of the implementation status of air navigation facilities and services is part of the scope and objectives of the current RPBANIP;
- b) based on *Recommendation 1/2* of the AN-Conf/12, and taking into consideration the new developments related to the performance-based approach, the ASBU methodology, etc., it was agreed that the ANP should also include elements related to the monitoring of the status of implementation, at least related to the ASBU modules;
- c) a clear separation between the mandatory requirements and the optional/selective or preferable implementation scenarios based on the ASBU methodology should be included in the RPBANIP; and
- d) the need to identify the elements included in the current RPBANIP which are no longer required.

2. Discussion

2.1 The purposes of the RPBANIP are as follows:

- It provide guidance for the planning and implementation of air navigation systems within a specified area, in accordance with the agreed global planning framework. It was developed to meet those needs of specific areas covered in the worldwide provisions. The development and maintenance of the ANP is undertaken by GREPECAS
- It contains provisions that States can follow in programming the provision of their air navigation facilities and services
- It supports the performance-based approach to planning adopted by ICAO to measure the efforts made by States in implementing the agreed requirements

2.2 The RPBANIP data related to the air navigation is dynamic or flexible and contains elements related to:

- Assignment of responsibilities
 - Mandatory requirements
 - Additional requirements specific to the NACC States
- Note: sample of some elements:
- ATFM and major traffic flows
 - PBN routes and terminal procedures
 - Meteorological services
 - Secondary Surveillance Radar (SSR) codes
 - Five-letter name-codes

- AIM/IM towards SWIM

2.3 The plan elements provide the implementation planning for air navigation that includes AGA, AIM, CNS, ATM, MET and SAR, and their modernization taking into consideration emerging programmes, such as the ASBUs and associated technology roadmaps described in the Fifth Edition of the GANP (Doc 9750).

2.4 In accordance with the structure, format and content of the RPBANIP, support the implementation of the ICAO ASBU elements.