



# ICAO

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WORKING PAPER

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## Eleventh North American, Central American and Caribbean Directors of Civil Aviation Meeting (NACC/DCA/11)

Varadero, Cuba, 28-30 June 2023

### Agenda Item 4: NAM/CAR Regional Safety/Air Navigation Implementation 4.2 Air Navigation Implementation Matters

#### UPDATING OF THE CENTRAL AMERICAN AIR NAVIGATION PLAN

(Presented by Belize, Costa Rica, the Salvador, Guatemala, Honduras and Nicaragua)

<b>EXECUTIVE SUMMARY</b>	
This working paper presents the need of the Central American States and the Central American Corporation for Air Navigation Services (COCESNA) for developing/updating the national Air Navigation Plans (ANPs) in accordance with the Aviation System Block Upgrades (ASBUs) in order to comply with the regional objectives/goals.	
<b>Action:</b>	Support the pilot programme carried out jointly by Belize, Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, COCESNA and the NACC Regional Office to develop/update the ANP in accordance with the last version of the Global Air Navigation Plan (GANP).
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Strategic Objective 1 – Safety</li><li>• Strategic Objective 2 – Air Navigation Capacity and Efficiency</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• 41st ICAO Assembly Resolutions, October 2022.</li><li>• Decisions and conclusions of the GREPECAS/20 meeting, November 2022</li><li>• Conclusions and decisions of the Segunda meeting of Rapporteurs of the NACC/WG, March 2023</li></ul>

### 1. Introduction

- 1.1 The development of the air navigation plan of all the States, using the last version of the GANP (in its seventh edition) and Resolution A41-6 of the ICAO Assembly, requires from the States the development of their plans using a joint strategy.
- 1.2 In this sense, the States should develop National Air Navigation Plans (NANPs) in coordination with ICAO to ensure regional harmonisation and global compatibility and inter-operability. Therefore, COCESNA has been working with the ICAO NACC Regional Office on a pilot project to develop the air navigation plan with the Central American States.

- 1.3 In 2022, COCESNA, in conjunction with experts from Belize, Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica and the NACC Regional Office developed a pilot test for the assessment of the Basic Building Blocks (BBBs) which facilitated the NACC Regional Office to define an improved template in order to gather information on the implementation level of the BBBs.

## **2. Progress on the updates of the NANPs**

- 2.1 NANPs are a planning tool that will allow Central America to develop its Air Navigation Services (ANS) projects in line with established time objectives, according to national and regional planning. For updating purposes, the following activities were carried out virtually:

1. Draft assessment of the BBBs of all the Central American States.

BBBs assess the status of implementation of the essential services that must be provided to international civil aviation in accordance with ICAO standards. These essential services are defined in the aerodromes, air traffic management, search and rescue, meteorology, and aeronautical information management fields. Apart from the essential services, the BBB framework identifies final users of these services, as well as necessary assets (infrastructure of Communications, Navigation and Surveillance [CNS]) to provide them.

The ICAO NACC Regional Office developed a first assessment form of the air navigation services and drills were carried out with the Central American States aimed at identifying their application level. During the drill, improvement opportunities were identified for the template used concerning services of the aerodromes field.

Therefore, the NACC Regional Office developed an improved template to gather information on the level of implementation of the BBBs. This template/form was approved at the NACC/WG Rapporteurs meeting held last March.

2. Workshop on Air navigation Planning provided by the EU-LAC APP II project for COCESNA and the Central American States, focused on the ICAO six-step performance management methodology, the European experience on planning and deployment of solutions, and the main aspects of the NANPs.

Training through this workshop was held from 15 to 16 February 2023 with the participation of inspectors and experts of the different air navigation fields of the Central American States, COCESNA and officers from the NACC Regional Office.

Knowing the experiences en Europe provided valuable lessons learnt and useful practical references, both at the national and especially at the regional coordination and harmonisation levels.

2.2 For the development of NANPs of each Estado in which Central American regional objectives are to be defined, in order to document the status of implementation of the ASBU and Key Performance Indicators (KPIs) elements, and to develop a Central American regional plan to comply with regional goals, the following activities are foreseen:

1. Assessment of the BBBs of all Central American States using the new ICAO template version.
2. Assessment of the status of implementation of each one of the ASBU elements.

It is necessary to analyse the status of implementation of each ASBU element and the operation of each one of its enablers. The ASBU elements, together with the BBB elements, will provide the necessary data to define the status of Central America in terms of air navigation, and will facilitate prioritisation of the projects to be performed to comply with short, mid and long terms goals.

3. Definition of KPIs

KPIs are quantitative means to measure the performance of provided ANS and facilitate assessment of the efficiency of the performed actions, the implemented systems, etc.

Each Central American State, according to available information, should define the KPI applying to its operations and that will feed its continuous improvement goals.

### 3. Conclusions

1. COCESNA, for the region's benefit, supports ICAO requested activities, by assigning experts and local work, that not only benefits Central America, but the CAR Region.
2. The development of the NANPs of Central American States and COCESNA will benefit Central América, and will also bring a regional benefit by means of the coordination of Central América with the adjacent Flight Information Regions (FIRs) and the generated data.

#### **4. Suggested Actions**

4.1 The Meeting is invited to:

- note the presented information; and
- support and disseminate the pilot programme carried out jointly by Belize, Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, COCESNA and the NACC Regional Office for the development/update the NANP in accordance with the last version of the GANP.

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