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**First North American, Central American and Caribbean Working Group (NACC/WG) Aviation System Block Upgrades (ASBU) Task Force (TF) Online Meeting (ASBU/TF/01)**

14 June 2024

**Agenda Item 3: Task Force Action Plan Update**

**NATIONAL AIR NAVIGATION PLAN (NANP) AND ASBU TASK FORCE STATUS UPDATE**

(Presented by the Rapporteur)

<b>EXECUTIVE SUMMARY</b>	
This working paper presents the template for the National Air Navigation Plan (NANP), aligned with the 7th edition of ASBU. It also presents the status of the ASBU Task Force.	
<b>Action:</b>	Suggested actions are presented in Section 6.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li><li>• Economic Development of Air Transport</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• Global Air Navigation Plan (GANP, Doc 9750) <a href="https://www4.icao.int/ganportal/">https://www4.icao.int/ganportal/</a></li><li>• Aviation System Block Upgrade (ASBU) Framework <a href="https://www4.icao.int/ganportal/ASBU">https://www4.icao.int/ganportal/ASBU</a></li><li>• ICAO NACC RO's CAR Regional States' NANP <a href="https://www.icao.int/NACC/Pages/regional-group-ASBU.aspx">https://www.icao.int/NACC/Pages/regional-group-ASBU.aspx</a></li></ul>

**1. Introduction**

1.1. The Aviation System Block Upgrades (ASBU) Task Force (TF) was established during the NACC/WG/5 Meeting held in Trinidad and Tobago in May 2017. The objective of the ASBU TF is to facilitate the region in the implementation of harmonized technologies that support operations guided by the ICAO Global Air Navigation Plan (GANP) and the Aviation System Block Upgrades (ASBU).

1.2. The ASBU TF work programme covers the basis for the preparation and maintenance of National Air Navigation Plans (NANPs) by ICAO Member States, organizations, and territories in the region. To effectively prepare and maintain the States' National Air Navigation Plans (NANPs), states need to understand GANP/ASBU in conjunction with their states' current and future needs in aviation technologies. The NANP should be used by states to strategically plan what capability will be implemented and when to implement it.

1.3. This paper presents the status of ICAO NACC RO's NANP and ASBU Task Force.

## **2. Status of ASBU editions**

2.1 Advancing the ASBU Edition: The ICAO Assembly, during its 39<sup>th</sup> Session, agreed on the expansion of the GANP lifecycle through three-year minor and six-year major updates, as relevant, in order to provide for stability. The ICAO issued the ASBU 5<sup>th</sup> edition in 2016, followed by the 6<sup>th</sup> edition (minor) in 2019 and the 7<sup>th</sup> edition (major) in 2022. Currently, ICAO is preparing for the 8<sup>th</sup> edition of ASBU (major) to submit to the ICAO 14<sup>th</sup> Air Navigation Conference (AN-Conf) in September 2024, with anticipated approval at the 42<sup>nd</sup> ICAO Assembly in September/October 2025.

2.2 ASBU 5<sup>th</sup> Edition: The NACC RO identified 20 states, one territory, and one organization in the CAR region that should prepare their National ANPs. The NACC RO organized three National ANP Workshops in 2018. As a result, 18 states/territory/organization successfully submitted their NANPs. These NANPs are based on the 5<sup>th</sup> edition of ASBU and focused on the needs and implementation status of ASBU Elements.

2.3 ASBU 6<sup>th</sup> Edition: The 6<sup>th</sup> edition brought major changes to the ASBU in 2019. Starting with the ASBU Framework Structure Change, in which, Performance Improvement Areas (PIA) were removed, and three groups (Operation, Information, and CNS Technologies and Services) were introduced. The alterations also included ASBU Threads with four new threads (COMI, COMS, NAVS, and GADS) introduced, three threads (CCO, CDO, and RPAS) removed; and one thread was renamed from ASEP to CSEP. Additionally, ASBU Modules and Elements underwent changes, many Modules and Elements were redefined and/or assigned to different Blocks. Air Navigation Report Forms (ANRF) are no longer required. Lastly, three (3) new KPIs were added to the family including, Level-off during climb, Level capping during cruise, and Level-off during descent.

2.4 ASBU 7<sup>th</sup> Edition: The 7<sup>th</sup> edition released in 2022, brought minor changes to the ASBU. A few Elements were moved from Block 1 to Block 2, editorial changes were applied to several Elements. Thread RATS (Remote Aerodrome Air Traffic Services) was renamed to DATS (Digital Aerodrome Air Traffic Services). Despite the minor Element changes, the 7<sup>th</sup> edition brought a significant emphasis on Safety related descriptions, including safety ambitions, safety focus area, safety performance objectives and sub-objectives, and mapping of the GASP goals to the safety objectives and sub-objectives. Moreover, it also augmented four new safety-related KPIs, number of aircraft accidents, number of runway incursions, number of runway excursions, and number of collisions and alerts.

2.5 ASBU 8<sup>th</sup> Edition: The ASBU Panel Project Team (PPT) is preparing the 8<sup>th</sup> edition of ASBU that will bring about major changes. The 8<sup>th</sup> edition will define Block 2 elements, thus making Block 2 elements available for implementation.

## **3. NANP Status in the ICAO NACC Region**

3.1 The ASBU Task Force worked with Saint Lucia and created the NANP template based on the 5<sup>th</sup> edition of ASBU. In 2018, the ICAO NACC RO organised three NANP workshops as shown below:

3.2 The 1<sup>st</sup> NANP Workshop: The ICAO NACC RO hosted the workshop in Mexico City, Mexico from March 12-15, 2018. Barbados, Belize, Curacao, Mexico, and COCESNA participated and successfully created their draft NANPs.

3.3 The 2<sup>nd</sup> NANP Workshop: The COCESNA hosted the workshop in Tegucigalpa, Honduras from August 6-9, 2018. Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, and Dominican Republic participated and successfully created their draft NANPs. Belize and COCESNA also participated and refined their ANPs.

3.4 The 3<sup>rd</sup> NANP Workshop: Barbados hosted the workshop in Bridgetown, Barbados from November 6-9, 2018. Antigua and Barbuda, Haiti, Saint Vincent and Grenadines, Trinidad and Tobago, and Barbados participated and successfully created their draft NANPs.

3.5 In addition, Cuba submitted their NANP to the ICAO NACC RO.

3.6 The ICAO NACC RO identified 20 states, 1 territory, and 1 organization in CAR region that need to prepare the NANP. Antigua and Barbuda, Barbados, Belize, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Mexico, Nicaragua, Saint Lucia, St. Vincent and Grenadines, Trinidad and Tobago, Curacao, and COCESNA have NANPs based on the 5<sup>th</sup> edition of ASBU. Refer to <https://www.icao.int/NACC/Pages/regional-group-ASBU.aspx>.

3.7 The ICAO NACC RO planned to host NANP Workshops for its member states, territories, and organizations to update their NANPs in line with the 6<sup>th</sup> edition of ASBU. However, the arrival of the global pandemic in 2019 prevented such workshops to take place. The pandemic, along with multiple changes brought to the GANP/ASBU in terms of visions, approaches, and the announcement of NANP template preparation at the ICAO HQ level, has put ASBU TF efforts on hold.

3.8 The GANP Portal's National tab consists of a "NANP template" that remains labelled as "Coming Soon". It is necessary to understand this template when it becomes available, and the NACC members need to determine subsequent actions. For example, questions such as "Should we continue to use the existing NANP template or use the ICAO HQ provided template or create the hybrid template?" need to be answered.

3.9 Meanwhile in response to the request from the ICAO NACC RO's ASBU Task Force Secretariat to prepare the NANP template aligned with the 7<sup>th</sup> edition of ASBU, the ASUB Task Force Rapporteur created the following three NANP revision support materials.

3.9.1 NAM ASBU Handbook – 2024 (for the 7<sup>th</sup> edition) Supporting analysis and implementation reporting of the ICAO ASBU Elements (Appendix A)

3.9.2 ICAO NACC NANP Template (for the 7<sup>th</sup> edition) (Appendix B)

3.9.3 ICAO NACC Air Navigation Reporting Forms (ANRF) (Appendix C)

#### **4. E-ANP Volume III**

4.1 In 2013, the ICAO HQ provided the regional ANP template, and the NACC RO created the NAM/CAR Regional Performance-Based Air Navigation Implementation Plan (RPBANIP). The ICAO SAM office created a similar ANP for the SAM region. The ICAO HQ supplied the new e-ANP volume III template to both NACC and SAM ROs to produce a consolidated regional ANP, GREPECAS ANP. The GREPECAS e-ANP Volume III will require inputs from states, territories, and organizations.

4.2 The new GREPECAS e-ANP Volume III template was introduced to the NACC states by the ICAO NACC RO multiple times. The most recent meeting to introduce e-ANP Volume III was titled “Second CAR/SAM Implementation of Volume III of the Air Navigation Plan (ANP) for the CAR/SAM Regions Workshop (CAR/SAM/ANP-VOLIII/2)” and was held in Mexico City, Mexico from 13 to 15 February 2024.

4.3 The e-ANP Volume III templates were approved by GREPECAS and NACC states were requested to provide appropriate data to fill in the template.

#### **5. The ASBU TF Work Program**

5.1 The ASBU TF Work Program has been a useful tool to focus on what tasks are needed to support the region to understand ASBU and create NANPs. Many of the tasks identified in the original Work Program were completed as GANP/ASBU matured, and the environments surrounding the region need to be reevaluated. It is time for the ASBU Task Force, Secretariat and Rapporteur together with the Task Force members, to revise the ASBU Work Program.

#### **6. Suggested actions**

6.1 The meeting is invited to:

- a) note the information contained in this Working Paper;
- b) update the States’ NANPs using the template aligned to support the 7<sup>th</sup> edition of ASBU;
- c) provide comments and recommendations on revising the NANP;
- d) provide the information to the ICAO NACC RO to support GREPECAS e-ANP Volume III development when requested; and
- e) provide comments and recommendations on revising the ASBU Task Force Work Program.