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**Sixth North American, Central American and Caribbean Working Group (NACC/WG) Aeronautical Information Management Implementation Task Force Meeting  
(AIM/TF/6)**

Mexico City, Mexico, and on-line, 21 – 24 August 2023

**Agenda Item 4: Agenda Item 1: AIM Aviation System Block Upgrade (ASBU), Basic Building Blocks (BBB) and Action Plan Update**

**AIM ACTIVITIES WITHIN THE REGIONAL PLANNING PROCESS**

(Presented by the Secretariat)

<b>EXECUTIVE SUMMARY</b>	
This working paper introduces the AIM area to the planning process of their States' air navigation plans and to understand the role that it provides as information enablers to the process of operational functions.	
<b>Action:</b>	Suggested actions are presented in Section 4.
<b>Strategic Objectives:</b>	<ul style="list-style-type: none"><li>• Strategic Objective 1 – Safety</li><li>• Strategic Objective 2 – Air Navigation Capacity and Efficiency</li><li>• Strategic objective 4 – Economic development of air transport</li><li>• Strategic objective 5 – Protection of the environment</li></ul>
<b>References:</b>	<ul style="list-style-type: none"><li>• Second Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/2) <a href="https://www.icao.int/NACC/Pages/meetings-2023-wgrap02.aspx">https://www.icao.int/NACC/Pages/meetings-2023-wgrap02.aspx</a></li></ul>

**1. Introduction**

1.1 Aeronautical information management is one of the most important pillars and enablers of information for air traffic control operations and airport operations. Flight plan information and aeronautical messaging support many ATM functionalities and decision-making.

1.2 During the Second Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/2), a series of issues related to the safety process were discussed. Efficiency and its relationship with the regional implementation of air navigation.

1.3 All Air Navigation areas are interrelated, and no substantial improvement can be obtained without the work of all areas.

1.4 As a regional planning strategy, the following key activities have been identified to obtain the stated objectives:

1. The evaluation of the implementation of the Basic Building Blocks (BBB).
2. The evaluation of aviation elements (ASBU) of the Global Technical level, part of the Global Air Navigation Plan.
3. Measuring key performance indicators (KPI)

1.5 Items 1 and 2 will provide the necessary information to establish the level of implementation of air navigation in the States and in the region. Item 3 supports evaluating the region's performance level and supports decision-making to identify areas for improvement of States.

## **2. Support of the AIM area to the planning process of the States and the region**

2.1 AIM support in this process in the following way:

1. BBB evaluation process for the AIM area. The State must carry out this process and obtain data at the regional level to identify which services are not yet operating and establish their implementation as a priority for the States.
2. The evaluation of the ASBU elements in its "Ready for Implementation" States that will allow to support the ANS implementation status and future planning.

2.2 The ASBU elements that the AIM area must evaluate are:

### **DAIM: Digital Aeronautical Information Management**

1. DAIM -B1/2: Supply of digital data sets for aeronautical information publication (AIP). Information
2. DAIM-B1/3: Provision of digital terrain data sets
3. DAIM-B1/4: Provision of digital data sets on obstacles
4. DAIM-B1/5: Provision of digital aerodrome mapping data sets
5. DAIM-B1/6: Provision of digital instrument flight procedure data sets
6. DAIM-B1/7: Improvements in NOTAMs

### **SWIM: System Wide Information Management)**

1. SWIM-B2/3
2. SWIM registry
3. Information

2.3 Since AIM are enablers, the ASBU elements of this area must necessarily be implemented since they enable the implementation of other ASBU elements in the ATM and AGA areas that depend on AIM having implemented these elements.

2.4 In this regard, the AIM area must work with the NAM and CAR States to obtain the following results:

1. The results of the evaluation of the BBB in all States, the identification of weaknesses by State and by Region and the integration of this information to the NACC/WG for decision making.
2. It must work on the analysis of the ASBU DAIM module to provide the recommendations and the AIM implementation roadmap.

### **3. Development of States' air navigation plans**

3.1 The development process of the air navigation plans of the States encompasses the development of three volumes of information, by States and by region and for the AIM area, it contributes to this process by providing the following information, by State and by region:

1. Volume I  
Part VII - AIM
  - Introduction
  - Areas of responsibility for the provision of aeronautical information
2. Volume II  
Part VII - AIM
  - Introduction
  - NOTAM Office (NOF),
  - State designated for AIP production
  - State designated to produce aeronautical charts (MAP)
  - State designated for supplying the authorized Integrated Aeronautical Information Database (IAID)
  - State designated for the provision of pre-flight information services.
  - Responsibility for sheets of the World Aeronautical Chart (CMA) — ICAO 1:1,000,000 or Aeronautical Chart — ICAO 1:500,000 (as an alternative to the World Aeronautical Chart — ICAO 1:1,000,000)
3. Volume III  
Planning and improvement process.

### **4. Suggested actions**

4.1 Regional planning is successful in making the region safer and more efficient, and the AIM area as an information enabler requires promoting its analysis process, providing recommendations as a Task Group, and offering solution proposals to the region since AIM must be ready for the process of improvement and implementation of the ATM and ADA modules.

4.2 In this regard, the Meeting is invited to:

- a. perform the analysis of the BBBs and their analysis and provide the information to the NACC/WG for their analysis process;
- b. contribute to the regional analysis process;
- c. start the evaluation of the ASBU elements of the DAIM module and provide a roadmap for its regional implementation;
- d. integrate into the NACC/WG/AIM work plan the process of completing the information in Volumes I, II and III of the States' air navigation plans; and
- e. any other information required.

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