NACC/WG/09 — IP/09 27/09/24

Ninth North American, Central American and Caribbean Working Group Meeting (NACC/WG/09) Mexico City, Mexico, 30 September to 04 October 2024

Agenda Item 4: Follow-up to the NACC/WG 2023-2024 work plan

BASIC BUILDING BLOCKS (BBB) FRAMEWORK IN AERODROME OPERATION SERVICES

(Presented by Secretariat)

EXECUTIVE SUMMARY	
This paper provides information ON the Basic Building Blocks (BBB) Framework in aerodrome operation services in the CAR Region.	
Strategic	Safety
Objectives:	Air Navigation Capacity and Efficiency
References:	BBBs (icao.int)

1. Introduction

- 1.1 The Basic Building Block (BBB) framework outlines the foundation of any robust air navigation system. It is nothing new but the identification of the services to be provided to the international civil aviation in accordance with **ICAO Standards is essential**. These essential services are defined in the areas of aerodromes, air traffic management, search and rescue, meteorology and information management.
- 1.2 This baseline is defined by essential services recognized by ICAO Member States as necessary for international civil aviation to develop in a safe and orderly manner. Once these essential services are provided, they constitute the baseline for any operational improvement.

2. General status of BBBs in the AGA area

- According to the Final Report of Eight North American, Central American and Caribbean Working Group Meeting (NACC/WG/8), important challenges were identified on AGA area. It was identified, for example, that there is a strong correlation between the analysis of the BBBs in AGA and the certification of aerodromes. Based on this, it is possible to observe the level of service provided by the BBBs by the number of certified aerodromes. There are 97 certified aerodromes in the CAR Region (from 149 international aerodromes), which represents 65%. In this case, the status of aerodrome certification in the CAR Region in 2024 shows a slight decrease in the number of certified aerodromes.
- 2. 2In addition, it is possible analysis through the Universal Safety Oversight Audit Programme (USOAP) Protocol Questions (PQs) versus BBBs. In this case, the States and Territories in CAR Region comply with **around 50% of the BBB**, referring to the essential services provided by airports for international civil aviation under ICAO standards.

3. Regional Strategy for the Evaluation of BBBs in the AGA area

- 3.1 According to the Final Report of Second Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/02), the assessment of the BBBs will greatly benefit the region because through the data obtained the region will be able to:
 - a) Regional deficiencies/differences;
 - b) Status of regional implementation;
 - c) Update information on the services of the electronic air navigation plan in its Volumes I and II;
 - d) Support the execution of priority regional projects with information.
- 3.2 In this context, the analysis and evaluation of BBBs in Aerodrome Operation Services (AOS) should be conducted at the level of international aerodromes to ensure compliance with ICAO standards as outlined in Annex 14, Volume I. Particularly, for the CAR Region, the evaluation of BBBs must be performed for each of the 149 international aerodromes listed in the Regional Air Navigation Plan CAR/SAM, Volumes I and II (eANP (icao.int)).
- 3.3 The ICAO NACC Regional Office developed a guide document for the assessment BBBs, which is found in Appendix A of the (NACC/WG/RAP/02) meeting. The document contains the essential elements to be evaluated by area, in addition to references to ICAO documentation, and the USOAP PQs related to the implementation of these services (see Figure A).

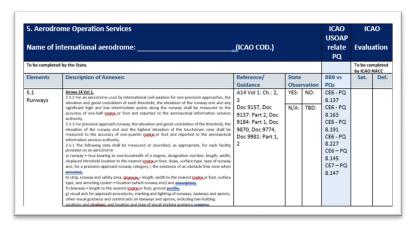


Figure A - Image of the guide document for assessment of BBBs in AOS.

- 3.4 To conduct a case study, Costa Rica expressed interest in applying the BBBs assessment guide at Juan Santamaria International Airport (MROC). It was conducted during the Multidisciplinary Assistance Mission (TEAM) for the Evaluation of Runway Safety Teams (RST) at Juan Santamaria International Airport (MROC), Costa Rica, from July 8 to 12, 2024.
- 3.5 During the TEAM in Costa Rica, airport operator and *Dirección General de Aeronáutica Civil* (DGAC) (Civil Aviation Authority) representatives from the aerodromes and air navigation sectors noted the need to enhance and streamline the process of analyzing BBBs at the aerodrome level. They observed that each BBB element is linked to several ICAO standards (Annex 14, Vol I), which require separate evaluation, similar to an aerodrome inspection checklist. As a result, the decision was made to develop a BBB Checklist in AOS (see Figures B and C).

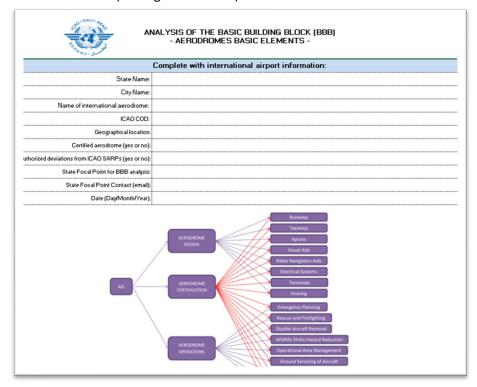


Figure B - Image of the new BBB Checklist in AOS for General Information.

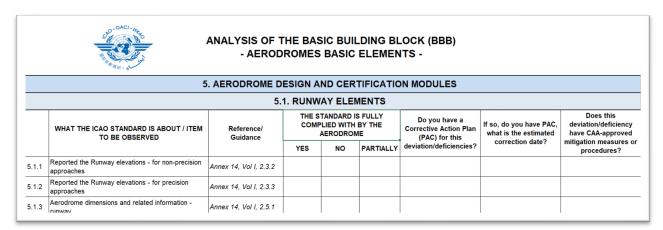


Figure C - Image of the new BBB Checklist in AOS for Runway Elements.

- 3.6 The BBB Checklist in AOS is currently being developed by the coordinator of the AGA Task Force, with its submission for review and approval planned for the Third Meeting of the North American, Central American and Caribbean Working Group Aerodromes and Ground Aids Task Force (NACC/WG/AGA/3), scheduled for the first half of 2025.
- 3.7 The Meeting is invited to take note of the information presented in this paper.