



ICAO

International Civil Aviation Organization
North American, Central American and Caribbean Office

WORKING PAPER

AMCB/TF/2/CIIFRA/11 — WP/06
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**Second Meeting of the North American, Central American and Caribbean Working Group
(NACC/WG) Airspace Management and Capacity Balancing Task Force and Eleventh Meeting of the
CANSO IATA ICAO Free Route Airspace Team
(CIIFRA) (AMCB/TF/2/CIIFRA/11)
Mexico City, Mexico, 20 to 24 April 2026**

Agenda Item 4: Strategic Framework and Priorities of the AMCB Task Force

SURVEILLANCE COVERAGE FOR THE ICAO NAM/CAR REGIONS

(Presented by the NACC/WG Surveillance Task Force)

EXECUTIVE SUMMARY	
This Working Paper provides an overview of the coverage analysis conducted by the North American, Central American and Caribbean Working Group (NACC/WG) surveillance task force. The paper is generated as a result of an action taken during ICAO NACC Rapporteur's meeting focused on assisting the ICAO NACC Airspace Management and Capacity Building (AMCB) in the implementation of Free Route Airspace (FRA).	
Action:	<ul style="list-style-type: none">• Review the information provided in the Working Paper• Provide feedback, if any, to the ICAO NACC Surveillance Task Force
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Every Flight is Safe and Secure

1. Introduction

1.1 This working paper focuses on resolution of an action taken by the ICAO North America, Central America, and Caribbean (NACC) Surveillance Task Force (Surv TF) during the 2024 ICAO NACC Rapporteur's Meeting held in Mexico City.

1.2 During the Rapporteur's Meeting, the Airspace Management and Capacity Building (AMCB) Co-Chairs recognized the need for understanding the total surveillance coverage that each State has implemented for their assigned Flight Information Region (FIR). This information would assist the AMCB in determining focus areas for the implementation of Free Route Airspace (FRA).

2. Discussion

2.1 In support of the AMCB's work to further the implementation of FRA, the Surveillance Task Force took on an action to generate surveillance coverage plots for Member States across the NACC region.

2.2 This working paper provides an overview of the work that has taken place, including an example of the coverage plots that will be provided to the AMCB

2.3 To date, the Surveillance Task Force was able to obtain information via the CNS Regional Officer for the following Member States:

- Mexico
- COCESNA
- Curacao
- Jamaica
- Cuba
- Bahamas
- Dominican Republic
- United States
- Haiti (Proposed coverage)

2.4 The following is an example of all surveillance sources contributing to the overall airspace coverage:

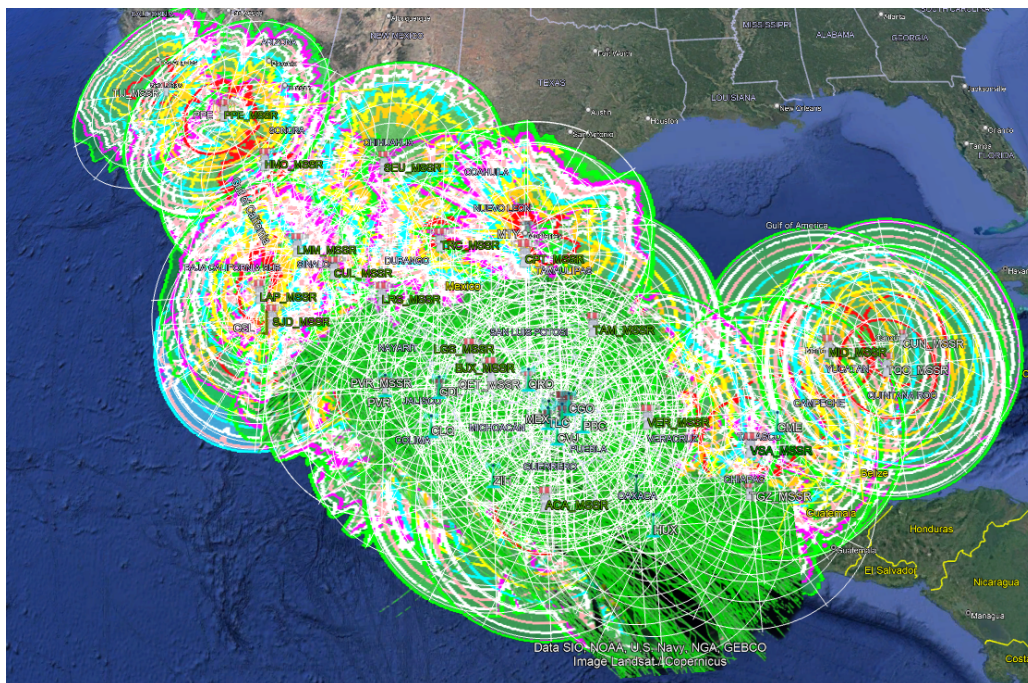


Figure 1: Total Airspace Coverage

2.5 The coverage is provided in a form that allows the AMCB to select or deselect the source of information along with the individual sensors themselves:

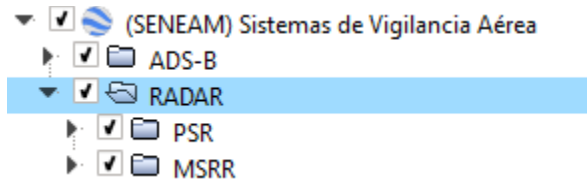


Figure 2: Surveillance Source Selection

2.6 Utilizing google earth, the AMCB is able to see the coverage provided by each Member State for FL400. Additionally, altitude filtering was incorporated based on information received from the identified Member States.

3. Conclusion

3.1 The coverage maps provided as part of this analysis is intended to assist in determining a strategy for improving safety, efficiency, and establishing Free Route Airspace across the region.

3.2 In addition, the information has assisted the Surv TF in identifying coverage gaps that may exist in each FIR. This will also allow the Surv TF to generate a strategy to mitigate these gaps in the future.

4. Actions

4.1 The meeting is invited to:

- Review and discuss the information provided in this working paper.
- Propose closure of this action at the upcoming Rapporteur's meeting.