



ICAO

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

WORKING PAPER

NACC/WG/10 — WP/22

03/09/25

Tenth North American, Central American and Caribbean Working Group Meeting (NACC/WG/10)

Tulum, Mexico, from 8 to 12 September 2025

Agenda Item 4: Presentation of NACC/WG Task Forces

Progress Report on Surveillance Task Force Work Programme

(Presented by United States)

EXECUTIVE SUMMARY	
This working paper presents an update on the developments of the Surveillance Task Force (Surv TF).	
Action:	Suggested actions are presented in Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency

1. Introduction

1.1 The Surveillance Task Force (Surv TF) has continued to work based on the terms of reference (ToR) approved by the ICAO North America, Central America, and Caribbean (NACC), previously presented and approved Terms of Reference (ToRs).

1.2 This working paper provides an overview of the items worked by the Surv TF since the last update provided to the ICAO NACC Working Group meeting held in September 2024.

1.3 The Surv TF leadership, along with ICAO NACC CNS regional officer, will continue to work together to ensure that ongoing work is in alignment with GREPECAS and the ICAO Global Air Navigation Plan (GANP).

2. Discussion

2.1 On 24 March 2025, ICAO NACC hosted the third meeting of rapporteurs of the NACC WG in Mexico City. During this meeting, the leaders of each task force came together to discuss on-going work in an effort to identify potential areas of collaboration.

2.2 At the meeting, the Surv TF rapporteur presented the existing work plan.

TASK NAME	DELIVERABLE	DATE START	DATE END	RESPONSIBLE
Task Force Activities	Work Plan and ToR	01/2022	12/2025	TF Members
Review and Update of the Work Plan	Update the TF work plan	01/2022	12/2025	TF Rapporteur
Implementation of regulations or procedures for the use of ADS-B	Regulations	08/2024	12/2025	TF Members
Collect and share ADS-B performance statistics	ADS-B Statistics	01/2022	12/2025	TF Members
Review and Update ADS-B CONOPS	Updated CONOPS document	03/2024	12/2025	US, COCESNA, Costa Rica, Cuba, El Salvador
Provide the Regional ConOps to ICAO SAM for adoption	Regional ConOps	10/2024	03/2025	TF Rapporteur
Notify implementation plans	National Implementation Plan	08/2024	12/2025	TF Members
Achieve greater airspace efficiency through system modernization	AIP Publication	05/2024	12/2025	TF Members
Coordinate with the Airspace group to identify areas of collaboration	Variable	05/2024	12/2025	TF Rapporteur
Implementation of data sharing	Implementation of data exchange	03/2022	12/2025	TF Members
Develop tool for ADS-B analysis	ADS-B Analysis Tool	08/2024	12/2025	ICAO, COCESNA, US

Figure 1: Surveillance TF Activities

2.3 The main areas of focus noted to the group were:

- a) Perform collaborative review of existing and on-going regulatory activities associated with surveillance.
- b) Note the on-going work associated with developing an avionics performance monitoring tool.
- c) Coordination work to support other NACC task force groups.

2.4 The following section provides an update on each of the noted sections. Although more work continues to be done, the information in this working paper provides a summary of the key areas of interest to the group.

2.4.1 The Surveillance Task Force has continued to monitor the work taking place at the ICAO Surveillance Panel (SP) to ensure regional activities are properly aligned with the expected regulatory changes introduced in the latest revision of the ICAO Annex 10 Volume IV Standards and Recommended Practices (SARPs). Key items for the region are noted in a separate working paper, IP/05, Surveillance Panel Updates.

Note: For more information please reach out to the rapporteur of the Surveillance Task Force

2.4.2 Surv TF leadership has held several coordination meetings with the NACC CNS Regional Officer focusing on defining the scope of work associated with the development of the surveillance performance monitoring tool

- a) The CNS regional officer has done extensive work to develop a project plan capturing the work that will be undertaken by the subject matter experts.
- b) The team will be looking to finalize the work plan, acquire the necessary expertise, and initiate the development and deployment of the performance monitoring tool to initial key site locations.

2.4.3 Finally, the Surv TF took an action from the Airspace Management and Capacity Balancing (AMCB) Task Force during the last rapporteur's meeting to develop surveillance coverage plots based on existing capabilities of ICAO NACC Member States.

- a) This work is intended to assist the AMCB in their on-going efforts for achieving improved airspace safety and efficiency across the region.
- b) From the information received, COCESNA has taken on the initiative to lead the creation of coverage plots for the different Flight Information Regions (FIRs).
- c) COCESNA has discovered that there is still information required in order to properly generate the coverage plots requested by the AMCB.
- d) The information received assists in:
 - i. Determining the available surveillance coverage.
 - ii. Identifying the existing ASTERIX formats enabling the sharing of surveillance data between Member States in order to improve coverage, create a contingency system, and enable automation between adjacent control centers.
 - iii. Understanding States implementation roadmaps for use of Mode S and ADS-B information which can be used to provide improvements such as aircraft identification, position accuracy, reduction of false targets, and integrity through selective interrogation.
 - iv. Ensuring proper allocation of Mode S Interrogator Identification (II) codes between States to avoid inadvertent overlap.
 - v. Identifying operational improvements that can be implemented regionally based on the existing and near-term planned surveillance system capabilities.
 - vi. Updating regional contingency plans according to the capabilities of States surveillance systems.
 - vii. Identifying existing and future needs that can be addressed through a regional cooperation project.

- e) For security purposes, the coverage plots will not be included as part of this working paper. However, they will be shared with the AMCB Task Force and controlled by the ICAO NACC CNS Regional Officer.

3. Suggestion actions:

3.1 The meeting participants are invited to:

- a. Review the information provided in this working paper.
- b. Provide additional information required to complete the coverage plots.
- c. Discuss any other issues it may deem appropriate.

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