



ICAO

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North American, Central American and Caribbean Office

WORKING PAPER

NACC/WG/RAP/02 — WP/12

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Second Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/02)

ICAO NACC Regional Office, Mexico City, Mexico, 28 to 31 March 2023

Agenda Item 5: Update of the Action Plans of the Task Groups of the NACC/WG, of the NACC/WG Action Plan and of the regional activities in the Development of the Projects of the CAR/SAM Regional Planning and Implementation Group (GREPECAS)

UPDATE STATUS REPORT AND WORK PLAN OF THE SURVEILLANCE GROUP

(Presented by the NACC/WG/SURV Task Force Rapporteur)

EXECUTIVE SUMMARY	
The paper provides an update on existing Surveillance Task Force activities along with the work that is planned to be performed.	
Action:	Refer to Section 4 for suggested actions.
Strategic Objectives:	<ul style="list-style-type: none">• Strategic Objective 1 – Safety• Strategic Objective 2 – Air Navigation Capacity and Efficiency
References:	<ul style="list-style-type: none">• Seventh North American, Central American and Caribbean Working Group Meeting (NACC/WG/7), ICAO NACC Regional Office, Mexico City, 29 August to 1 September 2022• Invitation – Amended dates of the Second Meeting of Rapporteurs of the North American, Central American and Caribbean Working Group (NACC/WG/RAP/02), ICAO NACC Regional Office, Mexico City, 28 to 31 March 2023.

1. Introduction

1.1 The Surveillance Task Force (NACC/WG/SURV) has continued to work based on the previously submitted and approved Terms of Reference (ToR). In addition, the surveillance TF has coordinated with the different stakeholders the necessary actions to update its action plan in order to identify effective ways and further harmonize the implementation of surveillance systems, data analysis methods, and ensure continuous improvement in airspace safety throughout the region.

1.2 This working paper provides an update of what was presented by the NACC/WG/SURV rapporteur during the ICAO NACC Working Group (NACC/WG) meeting in Mexico City from 29 August to 1 September of 2022.

2. Discussion

2.1 During the ICAO NACC/WG/07 meeting, the surveillance rapporteur provided an update on the status of the activities described as part of the working group plan.

2.2 As part of this update, the rapporteur took note of the issues that remain open and the activities that the group will be carrying out as part of its work plan. The table included in the **Appendix** to this Working Paper contains an update of the task group's work plan.

2.3 On 14 February 2023, the ICAO NACC office sent the State Letter with reference NT-NE57-1-E.OSG-NACC96041 requesting information on existing regulations and system implementations. The following are the items that specifically affect the NACC/WG/SURV:

- a. Status of implementation of the Airborne Collision Avoidance System (ACAS) and a copy of its regulations, if available.
- b. Air Traffic Control (ATC) systems with their capabilities.

2.4 There was an additional State Letter with Ref.: NT-NE57-1 — E.OSG-NACC96314 sent by the ICAO NACC requesting that each State provide the name of the designated representatives as part of the Surveillance Task Force.

2.5 The NACC/WG/SURV Rapporteur and the Regional Officer in Communications, Navigation and Surveillance of the ICAO NACC Office will carry out joint work to analyze the information provided by each State. This information is a key element for the work related to the Group.

2.6 Using the information, the NACC/WG/SURV will also seek to create an ACAS implementation table. The table will be used to determine which States require regulatory changes to ensure compliance with the new ICAO mandate allowing ACAS X systems to operate in the airspace of that State.

NOTE: The applicability date of this requirement became effective in November 2022.

2.7 Representatives from Cuba, Mexico, Jamaica and Trinidad and Tobago will be invited to participate in a regulatory workshop planned for 17 to 21 July 2023. The workshop is focused on the steps that COCESNA and the Central American States will take to develop a uniform regulation for ADS-B that all Central American Member States can use to publish a regulation.

2.8 An additional effort will be made to use the information received through the ICAO State Letter referenced in Section 2.3 of this paper to help States determine what potential gaps will need to be mitigated in order to share the surveillance data.

NOTE: NACC/WG/SURV participants discussed the importance of ensuring that proper analysis is performed to identify areas of airspace that would require data sharing. Not all surveillance information from neighboring airspace is needed to improve the safety and efficiency of cross-border operations.

3. Other important activities

3.1 In addition to the tasks indicated above, the Twentieth Meeting of the Caribbean and Southamerican Regional Planning and Implementation Group (GREPECAS/20) through decision GREPECAS/20/03 "Study on operational priorities for the implementation of ADS-B and aspects of the use of ADS-B in ATC units" requested that the Secretariat, in coordination with the Industry, carry out a study on the operational priorities for the implementation of ADS-B and on aspects of the use of ADS-B in ATC units, based on the technical guidance documentation available for the CAR/SAM Regions. This study by its nature will be led by the NACC/WG/SURV Group.

3.2 For this, the Group must promote the coherent and harmonized implementation of ADS-B in the CAR Regions, within the framework of the ASUR module of the GANP, recognizing the priorities of airspace optimization and the provision of ATS services in the Region.

4. Conclusion

4.1 The Meeting is invited to:

- a) review the information provided in this working paper;
- b) to the Groups of areas that are members of the NACC/WG, indicate the needs that the surveillance systems can satisfy;
- c) support the completion of the actions that GREPECAS has requested; and
- d) any other matter that it deems appropriate.

**APPENDIX
UPDATE OF THE TASK GROUP'S WORK PLAN**

Activity	Description	Deliverable	Start Date	Proposed End Date	Responsible
NACC/WG/SURV Task Force Activities	The definition of the terms of reference of the Group and the execution of the work plan according to the regional objectives.	Group terms of reference and work plan	01/2022	01/2025	NACC/WG/SURV Members
Work plan review and update	Ensure continuous reassessment of working group priorities	Update the Work Plan of the TF	01/2022	01/2025	NACC/WGSURV Rapporteur
Collect information on the current surveillance implementation of each State	Determine the level of implementation of the System and airspace coverage. Identify areas of opportunity for modernization or improvement. In addition, use the information to identify the degree of implementation and regulation of ADS-B.	Questionnaire	01/2022	08-2022	NACC/WG/SURV Members (Completed)
Collection and shared use of ADS-B performance statistics	Identify the level of ADS-B equipment in the region. Help determine the level of compliance with existing ADS-B regulations or as a basis for the development of a regulation.	ADS-B Statistics	01/2022	01/2025	NACC/WG/SURV Members
ADS-B parameters to monitor performance in airspace	Assist States in the development of a tool to monitor ADS-B performance in airspace	ADS-B Parameter List	01/2022	08-2022	Cuba, Mexico, United States and COCESNA (Completed)
Provide Regional ConOps to ICAO SAM	Ensure harmonization in the ADS-B approach and implementation	Regional ConOps	03/2022	03/2022	NACC/WG/SURV Rapporteur (completedo)
Improve implementation of data exchange	Benefit from data sharing capabilities to improve data quality	Report of the exchanges	03/2022	01/2025	NACC/WG/SURV Members
Work on the basic criteria for a standardized regional implementation for the use of ACAS-	Support the areas of airspace optimization and efficiency implementation, as well as operational safety.	Regional recommendations for its implementation	08/2022	05/2024	NACC/WG/SURV Members

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