NACC/WG/6 — WP/25
25/08/21

Sixth North American, Central American and Caribbean Working Group Meeting (NACC/WG/6)
On-line, 25 to 27 August 2021, 09:00 to 13:00 (UTC-5)

Agenda Item 2:   **Follow-up on Valid Conclusions and Previous Agreements of the NACC/WG, GREPECAS, NACC/DCA and Other Related Meetings**
    2.3   Follow-up to GREPECAS improvements and AN Projects (AIM, ATM, AGA, CNS, MET and SAR).

ADS-B OPERATIONAL CONCEPT (CONOPS)

(Presented by the Secretariat)

EXECUTIVE SUMMARY
During the last meeting of the Surveillance Task force held on 2019, was update and approved by the meeting the document of the ADS-B Operational Concept. In that sense the Secretariat request that the document be approve to use in a regional way for CAR States.

Action:	Suggested actions are presented in Section 2.
Strategic Objectives:	• Safety • Air Navigation Capacity and Efficiency
References:	• Automatic Dependent Surveillance – Broadcast OUT Implementation Meeting for the NAM/CAR Regions (ADS-B/OUT/M), Ottawa, Canada, 21-23 August 2019. https://www.icao.int/NACC/Pages/meetings-2018-adsbout.aspx

1.   Introduction

1.1   As part of the Surveillance Task Force activities, an Ad Hoc Group reviewed the existing regional Concept of Operations (CONOPS), document created in approximately 2015. The Ad Hoc Group consisted of representatives from Cuba, Dominican Republic, United States and COCESNA.

1.2   The document was reviewed and updated according with the needs and lesson learned in the region. The final version was reviewed all States participants in the ADS-B Implementation meeting. Also for Brazil and French Guyana.

1.3   The following Decision was approved under the meeting:

DECISION ADS-B/OUT/M/03	REGIONAL NAM/CAR OPERATIONAL CONCEPT OF ADS-B IMPLEMENTATION	
What:		**Expected impact:**
That, due that the updating of the document CONCEPT OF OPERATIONS (CONOPS) required a revision and update process aligned with the regional needs and that it was reviewed and updated with the provided comments from the States and Industry. The document was approved by the Meeting and it is recommended that the ICAO NACC Regional Office distribute the final version of the document to the NAM/CAR States, Brazil and French Guyana, due to the fact that this SAM States participated in the last revision of the document, and to the ANI/WG members.		☐ Political / Global ☒ Inter-regional ☐ Economic ☐ Environmental ☒ Operational/Technical
Why:		
It is important that the States know and integrate to their processes the ADS-B implementation the information of this document.		
When: Immediately	**Status:** ☒ Valid / ☐ Superseded / ☒ Completed	
Who: ☐ States ☒ ICAO ☐ Other:	ICAO NACC Regional Office	

1.4   This concept of operations considers the use of Automatic Dependent Surveillance - Broadcast (ADS-B) data from aircraft to expand surveillance coverage into remote and oceanic areas, to augment current cooperative surveillance coverage, or to replace existing cooperative surveillance assets. Currently, some Air Traffic Service (ATS) providers depend upon ground based infrastructure to receive ADS-B data from aircraft. Others are using low orbiting satellites to receive and relay ADS-B data from aircraft.

1.5   The purpose of this document is to facilitate coordination between stakeholders who will be involved in, or affected by, the implementation of services using ADS-B. This concept of operations was developed to assist ICAO CAR region States considering the use of ADS-B as part of an ATS Surveillance System as defined in ICAO's Procedures for Air Navigation Services - Air Traffic Management (PANS-ATM, Doc 4444). Individual CAR region States may develop complementary implementation documents as needed to reflect their unique operating environments

2.   Suggested Actions

2.1   The Meeting is invited to:

   a) Approve the Regional NAM/CAR Operational Concept of ADS-B implementation as guide for ADS-B implementation.

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