



ICAO

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

WORKING PAPER

ADS-B/LEG — WP/04
24/11/18

**Automatic Dependent Surveillance – Broadcast (ADS-B) Implementation and Regulation Meeting
for the NAM/CAR/SAM Regions (ADS-B/LEG)
Mexico City, Mexico, 26 to 30 November 2018**

Agenda Item 2: Surveillance NAM/CAR Task Force
2.3 Review of Regional and Interregional Programs for Sharing Surveillance Data

REVIEW OF REGIONAL AND INTERREGIONAL PROGRAMS FOR SHARING SURVEILLANCE DATA

(Presented by the Secretariat)

EXECUTIVE SUMMARY	
Surveillance infrastructure provides information that allows States to promote operational safety, sharing this data with adjacent FIRs promotes regional operational security, situational awareness by supporting the implementation of other functionalities and operational services.	
Action:	Suggested action is presented in Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency
<i>References:</i>	<ul style="list-style-type: none">• Fifth North American, Central American and Caribbean Working Group Meeting (NACC/WG/5), Port of Spain, Trinidad and Tobago, 22 – 26 May 2017.• NAM/CAR/SAM Automatic Dependent Surveillance – Broadcast (ADS-B) Implementation Meeting/Workshop (ADS-B/IMP), Lima, Peru, 13-16 November 2017.• Eighteenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/18), Punta Cana, Dominican Republic, 9-14 April 2018.• Second Meeting of the NAM/CAR Air Navigation Implementation Working Group (ANI/WG) Aeronautical Information Management (AIM) Implementation Task Force Meeting (AIM/TF/2), Miami, United States, 21-24 August 2018

1. Introduction

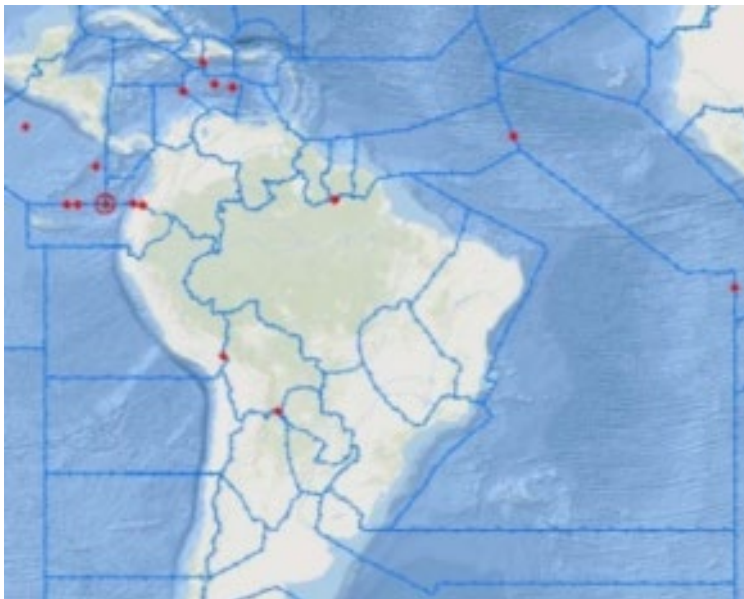
1.1 The ICAO NAM/CAR Regional Office, through the information presented at various meetings and the monitoring of regional deficiencies, has identified great operational benefits that leads a State to share its surveillance infrastructure with the adjacent FIRs.

1.2 Benefits to be gained from sharing surveillance data:

- 1) Increase in security with data redundancy for decision making.
- 2) Have surveillance backup systems.
- 3) Obtain radar data in places where previously they were non-existent.
- 4) Maintenance facilities of the surveillance systems to have support infrastructure.

2. Discussion

2.1 The region, accordingly to the data of the Scrutiny Working Group of GREPECAS (GTE), has identified the following areas with the greatest occurrence of LHD, which urgently need to take corrective measures in the short term to increase safety:



- 1) FIR Central America with Guayaquil (Ecuador).
- 2) FIR Central America with Panama.
- 3) Dominican Republic with Curaçao.
- 4) Haiti and the Dominican Republic.
- 5) Haiti, Jamaica and the Dominican Republic.
- 6) Some States of the SAM region.

2.2 Given the impact on safety that cross-border coordination of Flight Information Regions (FIR) presents, the GREPECAS Scrutiny Working Group (GTE) suggested that ICAO will raise a safety case for encourage States to share their surveillance data and to carry out the AIDC implementation as alternative strategies in the region to mitigate the risks of LHD.

2.3 Some of the aforementioned States have already and are taking actions to solve this problem and have signed letters of agreement and are in the process of integrating the data of their neighbors in their own facilities. However, it is necessary that States that have not yet acted on the matter, can do so in the shortest possible time.

3. Suggested actions

3.1 The Meeting is invited to:

- a) Provide the status of their coordination with adjacent States to share surveillance data.
- b) Develop an action plan to achieve these agreements and the integration and operation of these facilities in the shortest possible time.
- c) Provide this information no later than November 29 in the final discussion of the Monitoring Task Force.