



**Nineteenth Meeting of the CAR/SAM Regional Planning and Implementation Group
 (GREPECAS/19)
 Online, 27 – 29 October 2021**

**Agenda Item 3: GREPECAS Work Programmes, Objectives and Results
 3.2 GREPECAS Work Programmes, Objectives and Results**

STATUS OF ADS-B IMPLEMENTATION IN BRAZIL

(Presented by Brazil)

EXECUTIVE SUMMARY	
This paper presents information on the status of ADS-B implementation in Brazil.	
Action:	Suggested actions are presented in Section 3.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"> • Air Navigation Capacity and Efficiency • Economic Development of Air Transport • Environmental Protection
<i>References:</i>	<ul style="list-style-type: none"> • SAM/IG/25 Final Report.

1. Introduction

1.1 DECEA's strategic program for the evolution of Brazilian air traffic management, SIRIUS BRAZIL, is aligned with Doc 9750 - Global Navigation Plan (GANP), Aviation System Block Upgrade (ASBU), CAR/SAM Air Navigation Plan (Volume II) and with the Brazilian National ATM Operational Concept (DCA 351-2) to meet the operational demands, while contributing to the evolution of the future ATM.

1.2 One of these projects was implemented on TMA-Macae, with the objective of improving air navigation services in the oil-ocean basins in the Southeast region of Brazil and had the goal of supporting helicopter air operations of interest to oil activities between the mainland and platforms or vessels anchored in that basin, in the ocean area, for the transportation of people and cargo. Since November 2018 the TMA-Macae operates with surveillance information supported by ADS-B and radar.

1.3 Another project of great relevance is the implementation of ADS-B earth stations throughout the Brazilian territory, to provide surveillance coverage in the continental FIR.

Phase 3: Complementary routes above FL245 - (2024)



Fig. 4 – Continental ADS-B – Phase 3

Phase 4: Complementary routes above FL245 - (2024)



Fig. 5 – Continental ADS-B – Phase 4

Full coverage: above FL245 - (2024)

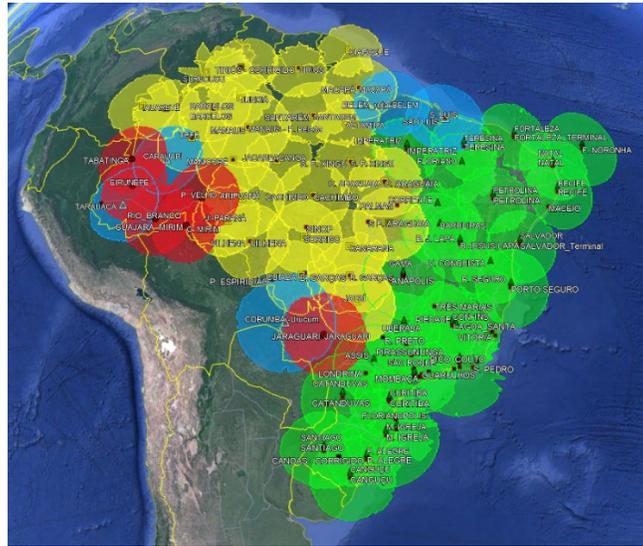


Fig. 6 – Full coverage above FL245

Mandate

2.8. DECEA initiated studies to identify the need for a future mandate in the Brazilian airspace. To date, there is no forecast for the next five years. If the need to establish a mandate in the future is identified, the aviation community will be invited to participate in the implementation plan from the beginning, establishing the timing of regulations, allowing sufficient time for operators to equip.

3. Suggested actions

3.1 The Meeting is invited to:

- a) take note of the information provided;
- b) encourage other States to consider a development of a regional plan, evaluating the importance of integrating adjacent FIR, as item 4 of the agenda of GREPECAS 18th plenary meeting and its last report and conclusions; and
- c) consider other aspects deemed necessary.