

Trinidad and Tobago ADS-B Implementation Status

Virtual Meeting ADS-B/ANP/1

02 - 04 March 2022



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ADS-B TIMELINE

- ✈ Meetings Attended
 - ✈ ICAO NACC Surveillance Task force meetings (2011 – Present)
- ✈ August 2018 – Trinidad & Tobago engaged ICAO Technical Cooperation Bureau (TCB) for the ADS-B/WAM project
 - ✈ Request for Proposal
 - ✈ Tender Evaluations
 - ✈ Tender Recommendations
- ✈ 2019 – 2021 - Delay in process due to Pandemic
- ✈ December 2021
 - ✈ Contract signed with service provider (*Delay due to the onset of the pandemic*)
- ✈ February 2023 - **Phase I** to be completed by February 2023 includes the installation of sites in Trinidad & Tobago and Barbados; and
- ✈ May 2023 - **Phase II** to be completed by May 2023 includes the installation of sites in Antigua and Saint Lucia.
- ✈ Future Consideration of Space Based ADS-B



ADS-B Implementation Tasks

✈️ Develop Concept of Operations

- ✈️ Perform analysis of ADS-B aircraft equipage, 87% - June 2020
- ✈️ Perform Safety case for the use of ADS-B
- ✈️ ADS-B Training for TTCAA ANS personnel – ATS, CNS, AIM

COMPLETED

✈️ Update Regulations as they pertain to ADS-B

✈️ Develop and Promulgate ADS-B Aeronautical Information Circular (AIC)

✈️ Validation of ADS-B data

✈️ System Monitoring and problem reporting



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ADS-B Technical Summary

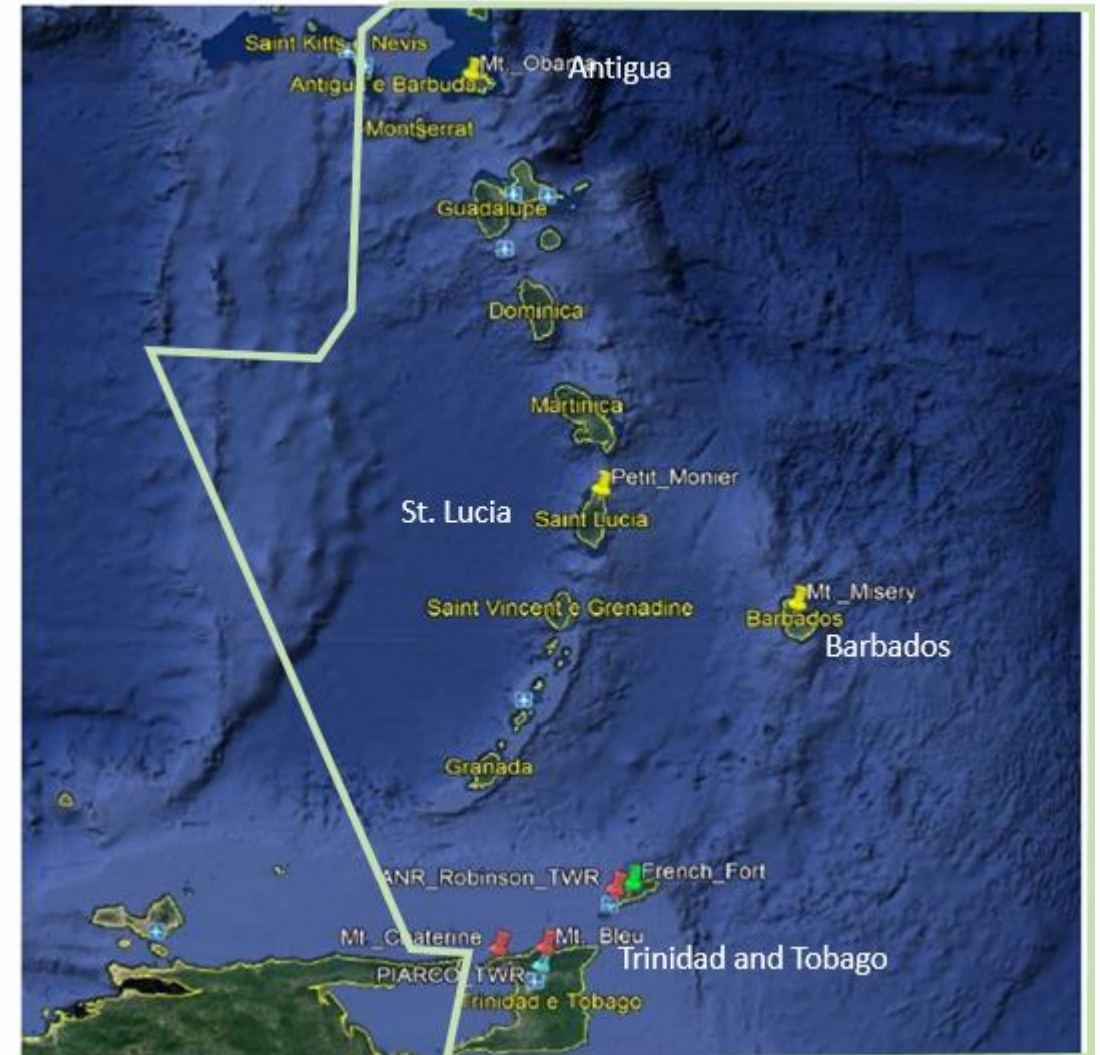
✈️ ADS-B Sites

- ✈️ One (1) WAM/ ADS-B System to be installed in Trinidad and Tobago; and
- ✈️ Three (3) ADS-B Systems to be installed in the Antigua, Barbados and Saint Lucia.

✈️ N-1 Redundancy Configuration

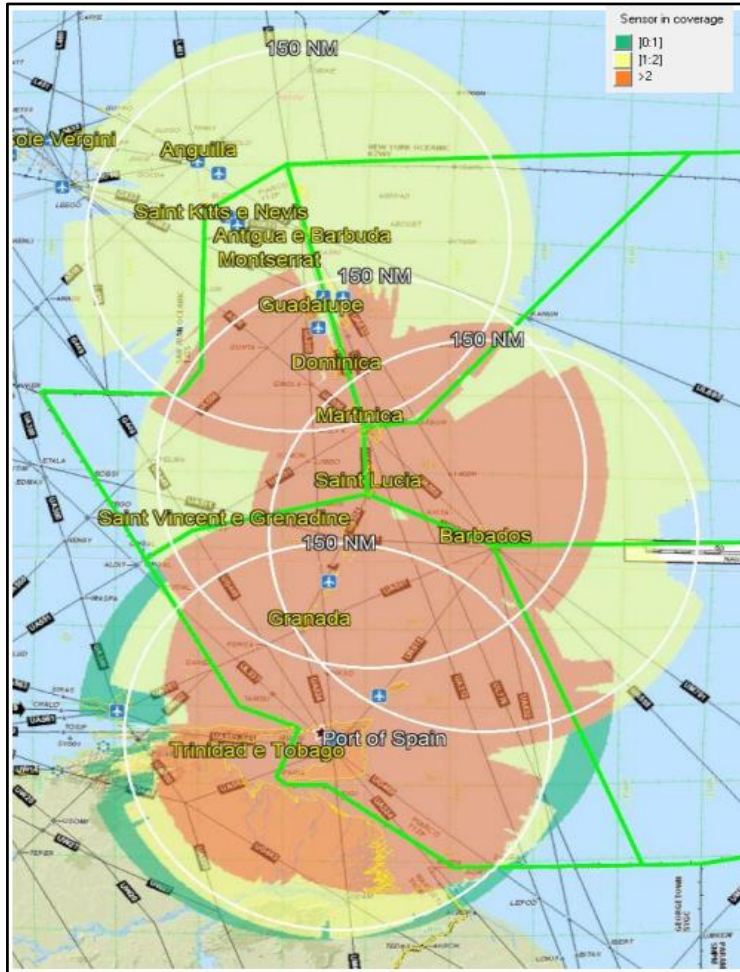
✈️ Capable Asterix Categories

- ✈️ CAT19/20/21/23

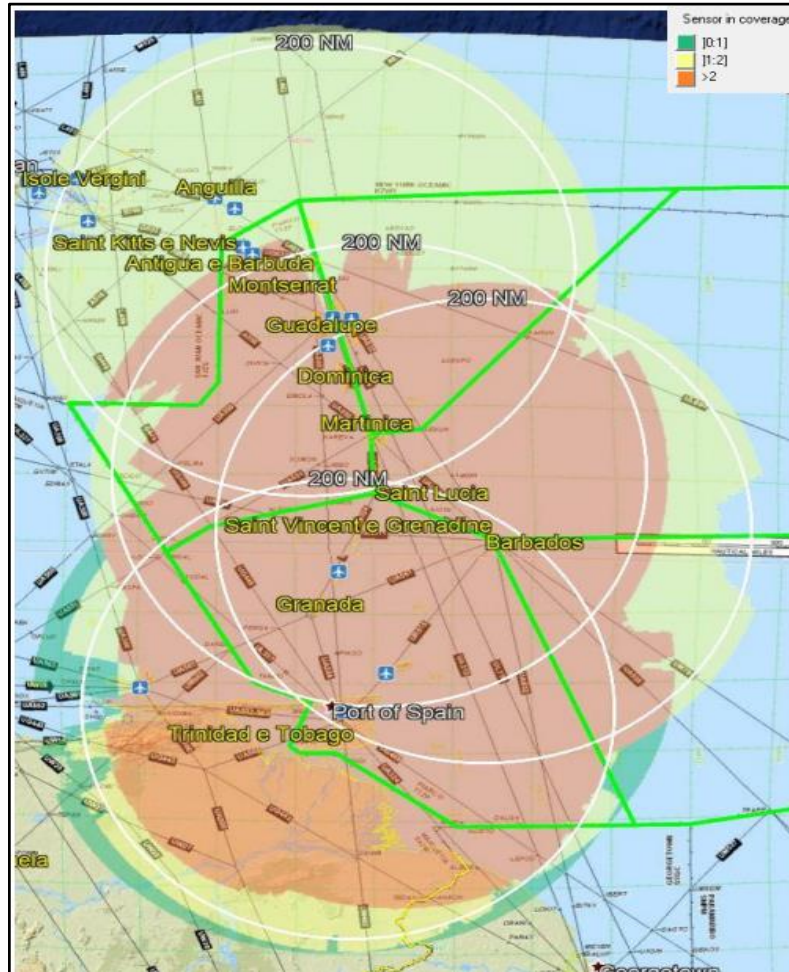


Piarco FIR - Continental

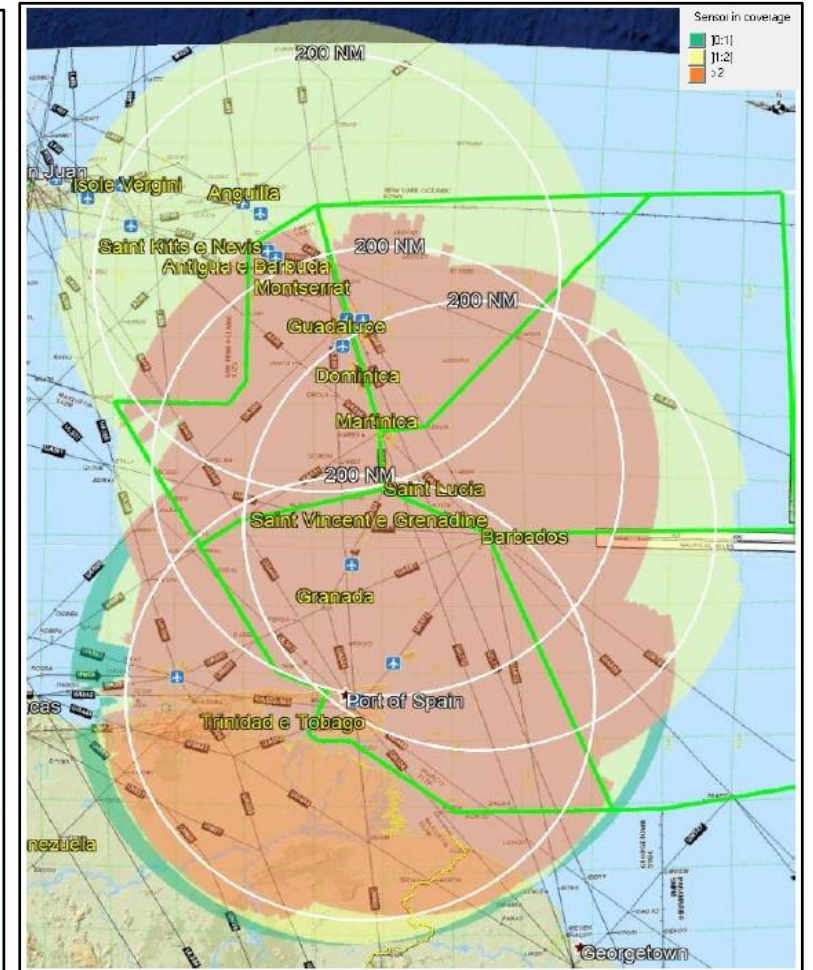
Theoretical ADS-B Coverage



Coverage @ FL100



Coverage @ FL200



Coverage above FL300



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THANK YOU



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