



ICAO

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WORKING PAPER

E/CAR/CATG/9 — WP/11
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Ninth Eastern Caribbean Civil Aviation Technical Group (E/CAR/CATG/9) Meeting
Miami, United States, 28 to 31 July 2025

Agenda Item 4: Update of the E/CAR/CATG Work Programme and Activities
4.2 Status of ECAR Air Navigation Services (ANS) Infrastructure

STATUS OF ECAR AIR NAVIGATION SERVICES (ANS) INFRASTRUCTURE
(Presented by the E/CAR/NTG and ECAR/RD Rapporteur)

EXECUTIVE SUMMARY	
This working paper presents the Status of the ECAR Air Navigation Services (ANS) Infrastructure regarding the implementation of Surveillance, Communications and Navigation Systems within the ECAR States.	
Action:	Suggested actions are presented in Section 4.
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Security & Facilitation• Economic Development of Air Transport• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• Thirteenth Eastern Caribbean Network Technical Group (E/CAR NTG/13) and Eleventh Eastern Caribbean Radar Data Sharing Ad hoc Group (E/CAR/RD/11) Meetings

1. Introduction

1.1 This working paper provides an update on the status of the Eastern Caribbean (E/CAR) Air Navigation Services (ANS) Infrastructure relating to the provision of Air Traffic Services namely, communication, navigation and surveillance network and systems as it pertains to the Piarco Flight Region (FIR).

1.2 In previous meetings, the topic on the procurement of Communication Surveillance and Navigation related systems for Air Traffic Services were discussed together with the technical specification required to evaluate compatible systems.

2. Discussion

2.1 During the last E/CAR NTG 13 and E/CAR RD 11 meeting, a decision was made to update the Eastern Caribbean States ANS Infrastructure and present that information at the next E/CAR/CATWG

Meeting in 2025. Appendix I provides an update on the status of the CNS infrastructure present at each of the ECAR states.

2.2 The importance of this information will consider the strengths and weaknesses of the subregion, assist states in identifying short and medium-term implementation projects of future CNS systems and be used as a tool to support decision-making in enhancing ATS capabilities.

2.3 ECAR States did embark on upgrading their ANS Infrastructure from airport expansion to new CNS systems with the implementation of these projects on-going. **Appendix** provides an update on the status of the CNS infrastructure present at each of the ECAR states.

2.4 Regarding the attainment of information from and convening meetings with CNS Point of Contacts (PoCs) from the various ECAR States/Territories, the ECAR/CATG CNS Rapporteur was advised that the projects in Antigua, Grenada and Montserrat were completed and awaiting commissioning. Future projects will be reviewed under the World Bank Project initiatives by each State.

3. Suggested actions

3.1 The Meeting is invited to:

- a) review the information supplied in Appendix and advise on any suggestions in improving their infrastructure;
- b) integrate the necessary activities into the ECAR NTG work and action plans; and
- c) agree to any other actions as deemed appropriate.

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APPENDIX
E/CAR States CNS infrastructure Information

State	ASUR-B0/1 ADS-B Technology	Radar secondary data	ATM System	NAVAIDS	GNSS
Anguilla	0	0	0	0	1
Antigua and Barbuda	Currently used for situational awareness	RADAR System is OFF.	ATM installed but not implemented	DVOR/DME	1
Barbados	MLAT System	0	1	DVOR/DME In future, they may acquire ILS	1
Dominica	0	0	0	NDB/DME Douglas Charles	1
Grenada	Current ATM System has ADS-B capabilities and used for situational awareness	0	ATM installed but not implemented	NDB/DME In future, they may acquire ILS DVOR/DME	1
Guadeloupe	0	1	0	DVOR/DME ILS	1
Martinique	0	1	1	DVOR/DME ILS	1
Montserrat	0	0	0	0	0
St. Kitts/Nevis	0	0	0	NDB/DME	1
Nevis	0	0	0	0	1
St. Lucia - Hewanorra	0	0	Purchase but has been installed	DVOR/DME In future, they may acquire ILS	1
St. Lucia – George Charles	0	0	ATM will be shared between both airports	NDB	1

State	ASUR-B0/1 ADS-B Technology	Radar secondary data	ATM System	NAVAIDS	GNSS
St. Vincent	0	0	0	DVOR/DME NDB	1
Trinidad and Tobago	Currently being Implemented	1	1	ILS DVOR DME NDB	1