



ICAO

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WORKING PAPER

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Fifth Eastern Caribbean Network Technical Group (E/CAR/NTG/5) and Third Eastern Caribbean Radar Data Sharing Ad-hoc Group (E/CAR/RD/3) Meetings

Guadeloupe, France, 22 to 24 October 2014

Agenda Item 3: Overview of Radar Data Sharing Activities

3.1 Follow-up on radar data agreements and teleconferences

FOLLOW-UP ON RADAR DATA AGREEMENTS AND TELECONFERENCES

(Presented by E/CAR/NTG Rapporteur)

EXECUTIVE SUMMARY	
This paper presents a follow-up of the radar data sharing activities in the E/CAR with the formation of the Radar Data Ad-hoc Group and the E/CAR/DCA mandate.	
Action:	The suggested actions are detailed in section 3
<i>Strategic Objectives:</i>	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency• Environmental Protection
<i>References:</i>	<ul style="list-style-type: none">• Twenty-fifth Meeting of Directors of Civil Aviation of the Eastern Caribbean (E/CAR/DCA/25), St. John's, Antigua and Barbuda, 3–5 December 2013• Fourth Meeting of the Eastern Caribbean Network Technical Group (E/CAR/NTG/4) and Second Meeting of the Eastern Caribbean Radar Sharing Group (E/CAR/RD/2) Meetings (Martinique, French Antilles, France, 17 - 18 June 2013)

1. Introduction

1.1 During the Piarco Policy Group Meeting the Eastern Caribbean Directors of Civil Aviation formulated Conclusion 1/2 *E/CAR Radar Data Server* for Trinidad and Tobago to provide and host the radar data server for the sharing/exchange/remoting of radar data in the Eastern Caribbean.

1.2 During the E/CAR/WG/33 Meeting, it was agreed to form Ad-hoc Groups for the Centralized Flight Planning System and Radar Data Sharing implementation. The Ad-hoc group on Radar Data Sharing reported its progress under the CNS Committee and held its first meeting during the E/CAR/WG/33 Meeting. At the E/CAR/WG/33 Meeting, Trinidad and Tobago informed on their plans to implement the radar data server and the infrastructure needs to be covered in the E/CAR AFS Network. France offered the System Tracks from the radar sensors of Martinique and Guadeloupe to E/CAR States in addition to the Radar Data server in Trinidad and Tobago.

1.3 At the E/CAR/RD/2 Meeting, France gave a demonstration of their radar data display IRMA 2000 and differentiated the data displayed upon the selection of Martinique, Guadeloupe and Dakota in addition to the safety nets, zoom, maps and alerts capabilities.

2. Discussion

2.1 The E/CAR/DCA/25 Meeting was briefed by the CNS Committee Rapporteur on the Radar Data sharing project, the infrastructure needed for radar data exchange and the offer made by France for their monoradars data to E/CAR States in addition to the Radar Data server in Trinidad and Tobago. Further to the review of the operational requirements by the Eastern Caribbean Civil Aviation Authority (ECCAA) for providing Situational Awareness and the information exchange for operational experiences in situational awareness conducted between France, Saint Lucia and ECCAA, several members of the Radar Data Sharing Ad hoc Group expressed their commitment to move on with the implementation of the CPUs donated by France considering their geographical situation within the French radar coverage of Dakota radar data. These members committed to the acquisition of the necessary monitor for the CPU, local environmental conditions and wiring infrastructure for interconnectivity to the E/CAR AFS equipment.

2.2 To follow-up the E/CAR Radar Data Sharing conclusions and mandate, the CNS Committee Rapporteur has conducted eight (8) teleconferences with the assistance of ICAO:

- 1st E/CAR Radar Data Sharing Teleconference: 18 July 2012
- 2nd E/CAR Radar Data Sharing Teleconference: 12 September 2012
- 3rd E/CAR Radar Data Sharing Teleconference: 15 March 2013
- 4th E/CAR Radar Data Sharing Teleconference: 21 May 2013
- 5th E/CAR Radar Data Sharing Teleconference: 27 June 2013
- 6th E/CAR Radar Data Sharing Teleconference: 18 June 2014
- 7th E/CAR Radar Data Sharing Teleconference: 19 August 2014
- 8th E/CAR Radar Data Sharing Teleconference: 15 October 2014

2.3 In October 2013, following the radar data sharing agreements, France with the support of ICAO, ref. State letter EMX0827, submitted the Procedure for Donation of CPUs for Radar Display particularly directed for those E/CAR area States that committed to implement the CPUs donated by France about the procedure to request these CPUs:

State/Territory	Projected No. of CPUs	Acquisition of Display	Request for CPU
Trinidad	1	Display available.	Requested
Anguilla	1		
Antigua and Barbuda	2	The Procurement process for the displays has been initiated.	Requested
Barbados	1		
Dominica	1	Display is available.	Requested
Montserrat	1		
Saint Kitts and Nevis	1		
Grenada	1	The Procurement process for the display has been initiated.	Requested
Saint Vincent and the Grenadines	1		Requested

2.4 From the Radar Data Sharing Teleconferences, the following actions are Valid:

ACT 03/02 Trinidad and Tobago to conduct coverage tests of the integrated radar at Piarco to determine operational usefulness to E/CAR States.

ACT 06/01 Trinidad and Tobago to make available to E/CAR States the integrated radar from Piarco, and the combined radars from Martinique and Guadeloupe.

ACT 06/02 The RDS participant States to report on status of display procurement.

ACT/07/02 ECCAA to contact Anguilla, Monserrat and Saint Kitts and Nevis on their interest for the donated CPUs and report back to the rapporteur and ICAO by 29 August 2014

ACT/07/03 Antigua to provide details and timelines further to the rehabilitation of the Antigua radar by 12 September

3. Suggested Action

3.1 The Meeting is invited to:

- a) take note of the progress and status of the implementation of the radar data sharing;
- b) to review and agree on the implementation activities to be carried out; and
- c) take any other action as deemed necessary.

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