



ICAO

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WORKING PAPER

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Sixth Eastern Caribbean Network Technical Group (E/CAR/NTG/6) and Fourth Eastern Caribbean Radar Data Sharing Ad-hoc Group (E/CAR/RD/4) Meetings
Miami, United States, 13 - 14 July 2015

Agenda Item 4: Surveillance Sharing Activities
4.1 Follow-up on radar data agreements and teleconferences

FOLLOW-UP ON RADAR DATA AGREEMENTS AND TELECONFERENCES

(Presented by E/CAR/NTG Rapporteur)

SUMMARY	
This paper presents the follow up on radar data agreements and teleconferences within the Eastern Caribbean.	
Action	The suggested actions are presented in Section 3.
Strategic Objectives	<ul style="list-style-type: none">• Safety• Air Navigation Capacity and Efficiency
References	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, French Antilles, France, 22 to 24 October 2014.

1. Introduction

1.1 Since the formation of the Ad-hoc group on Radar Data Sharing at the E/CAR/WG/33 Meeting, there have been ten (10) teleconferences to follow up the activities of the radar data sharing group.

1.2 A demonstration was made by Trinidad and Tobago of the Piarco MRT and the French radars exported from Trinidad over the E/CAR/AFS Network and displayed on a standalone laptop and one of the IRMA computers donated by the French Civil Aviation respectively during the E/CAR/NTG/5 and E/CAR/RD/3 meetings on 22-24 October 2014. 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 Adhoc Group expressed their commitment to move on with the implementation of the CPUs donated by France.

2. Discussion

2.1 To follow-up the E/CAR Radar Data Sharing conclusions and activities, the CNS Committee Rapporteur has conducted two (2) teleconferences with the assistance of ICAO since the last E/CAR/RD Meeting:

- 9th E/CAR Radar Data Sharing Teleconference: 10 February 2015
- 10th E/CAR Radar Data Sharing Teleconference: 15 April 2015

2.2 The process and documents to request the IRMA CPUs offered by France for trial purposes have been formalized since last year and emphasized by ICAO, through State letter EMX0827 on the Procedure for Donation of CPUs for Radar Display. At the 10th teleconference a request was made by Nevis for one (1) IRMA CPU. The French Civil Aviation agreed to provide a CPU to Nevis. This puts the count of donated IRMA CPUs from ten (10) to eleven (11).

2.3 The Table below details the status of the French IRMA computers:

State/Territory	No. of CPUs	Installation Date	Comments
Antigua	2	19 March 2015	Completed
Grenada	1	17 April 2015	Completed
St. Vincent	1	27 April 2015	Completed
Montserrat	1	18 May 2015	Completed
Dominica	1	15 June 2015	Completed
Barbados	1	18 June 2015	Completed
Nevis	1	26 June 2015	Completed
Saint Kitts	1	26 June 2015	Completed
Anguilla	1	TBD	Installation of IRMA CPU on hold until the E/CAR/AFS Network routers and UPS are replaced. The replacement routers and UPS were shipped on 30/06/2015 to Anguilla.
Trinidad	1	TBD	

2.4 Regarding the MEVA III-E/CAR/AFS Networks Interconnection, the MEVA III –E/CAR/AFS Networks interconnection in San Juan will allow the following:

- a) Improved voice service between Sint Maarten and Anguilla, Antigua, San Juan and St. Kitts; and
- b) Radar sharing from Sint Maarten to Trinidad.

2.5 Following up on the TSTT/TTCAA/FAA on-site mission in San Juan (1st to 7th June 2014) and the face-to-face opportunity at the MEVA TMG/30 meeting, COMSOFT provided a functional diagram based on the operational concept defined for the E/CAR voice circuits. At a subsequent teleconference on 26 May 2015, the following items were agreed:

- Operation Concept: Four (4) dedicated lines Sint Maarten - E/CAR AFS Network (2 Anguilla, 1 Antigua and 1 St Kitts)
- Trinidad and Tobago to provide four (4) digit strings for the E/CAR/AFS dial plan

- Hardware is available at MEVA III (FXS ports) and E/CAR/AFS Network equipment (FXO ports available)
- United States to implement cabling between E/CAR AFS Network Router and MEVA III equipment after the configuration is completely defined
- Sint Maarten to define the final port connection to VCCS in Sint Maarten
- COMSOFT informed that the two (2) radar lines are ready but need to test with end user equipment;
- Radar agreement ongoing revision by FAA.

2.6 The following actions are valid:

- a) Sint Maarten to report at the next teleconference on the status and availability of their radar to distribute to Trinidad and Tobago via the MEVA/ECAR interconnection in San Juan and provide information on the radar format and the type of interface;
- b) United States and Sint Maarten to report on the outcome of the end-to-end MEVA circuit testing between San Juan and Sint Maarten; and
- c) Trinidad and Tobago and Sint Maarten to work on the radar sharing LOA.

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.