



ICAO

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WORKING PAPER

E/CAR/NTG/5& E/CAR/RD/3

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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**  
**3.2 Implementation of radar data sharing tasks**

**ANTIGUA RADAR REHABILITATION ACTIVITIES**

(Presented by Antigua and Barbuda)

<b>EXECUTIVE SUMMARY</b>	
This paper presents the current activities ongoing by Antigua and Barbuda to restore/rehabilitate the Antigua SELEX Radar System.	
<b>Action:</b>	The suggested actions are detailed in section 3
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li><li>• Environmental Protection</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• Fourth Eastern Caribbean Network Technical Group and Second Eastern Caribbean Radar Data Sharing Adhoc Group Meetings (E/CAR/NTG/4- E/CAR/RD/2), Martinique, French Antilles, France, 17 to 18 June 2013</li></ul>

**1. Introduction**

1.1 The E/CAR Region is in the process of implementing Situational Awareness improvements which includes the extensive radar data sharing among the States in the E/CAR and adjacent FIR to the PIARCO FIR.

1.2 One of the radar feed scheduled for this data sharing scenario is the Radar from Antigua, which has faced several failures making it out of service and affecting the ATC radar service.

**2. Discussion**

2.1 In the E/CAR/NTG/4-RDS/2 Meeting, Antigua and Barbuda informed that the radar system is still in the process of full restoration. For this ATS is awaiting the delivery of a new UPS for the radar site, as well as some modules for its completion. Once the UPS is installed, ATS Antigua should be able to use it for situational awareness. Restoration of the radar should be completed by the end of 2013. In this regard, conclusion: E/CAR/NTG4/7 was agreed:

**CONCLUSION**  
**E/CAR/NTG 4/7**

**ANTIGUA AND BARBUDA RADAR RESTORATION**

*That Antigua and Barbuda report the final status and planning for restoration of their radar system, including the necessary actions to start radar data sharing with Saint Maarten no later than **30 September 2013**.*

2.2 The radar data sharing with Saint Maarten is planned to be included in the E/CAR AFS-MEVA Interconnection discussion as a future activity when the radar of Antigua becomes available.

2.3 An APC Smart-UPS was installed at the RADAR site in February 2014. The UPS was checked and turned on. As a result of faulty wiring by the two power supplies were damaged. The damaged power supplies were fixed and the RADAR is now operational. However, before the system can be commissioned, a number of modules still need to be repaired or replaced to fulfil accuracy and redundancy requirements.

2.4 V.C. Bird ATS management and staff have completed initial Radar training which will allow them to be more proficient when the implementation of Situational Awareness takes place, while the department works towards certification and full implementation of Radar control.

**3. Suggested Action**

3.1 The Meeting is invited to:

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

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