



ICAO

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WORKING PAPER

(E/CAR/NTG/6 & E/CAR/RD/4) WP/06  
07/07/15

**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 3: E/CAR Aeronautical Fixed Service (AFS) Network Performance and Operation**

**3.1 Network performance analysis and general aspects**

**NETWORK PERFORMANCE ANALYSIS AND GENERAL ASPECTS**

(Presented by the ECCAA)

<b>EXECUTIVE SUMMARY</b>	
This paper presents the evaluation of the E/CAR/AFS Network performance from the perspective of the OECS States including Montserrat and Anguilla.	
<b>Action:</b>	The suggested actions are given in Section 4
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• E/CAR/AFS failure reports</li></ul>

**1. Introduction**

1.1 This working paper seeks to provide a performance evaluation of the E/CAR AFS Network for the past twelve (12) months. The performance of the network from all accounts has been good as confirmed by the users and fault records noted on Topdesk.

1.2 In addition to the failures mentioned in paragraph 2.3, there were issues that have not been reported on Topdesk that would require investigations:

- i. Infrequent dropouts on the speech line between St. Vincent and Grenada.
- ii. Cross talk on speech line between St. Lucia and Martinique.

**2. Discussion**

*Analysis of performance of the network*

2.1 In general, all states have reported significant improvement in the performance of the network. Down times whether for planned maintenance or as a result actual faults were very minimal.

2.2 Feedback on faults from TTCAA and or TSTT has been excellent which has provided a high level of confidence in the network.

*Analysis of failures and recommendations*

2.3 Most of the failures experienced were hardware related coupled with AC power issues in some states. These problems were easily resolved by the appropriate authority.

*Failures*

**Anguilla**

Complete failure of both speech and data caused by defective Cisco routers.

**St. Kitts**

05/01/2015 - Failure of SPATIA keyboard.

**Antigua**

28/04/2015 - Failure of speech lines to Guadeloupe.

25/06/2015 - Faulty CADAS monitor

**St. Lucia (Hewanorra)**

03/01/2015 - Faulty power switch on SPATIA printer.

*Conclusions/Recommendations*

2.4 Except for the very few reports, the network performance has been good and for the most part has met the objectives.

3. **Suggested Actions**

3.1 The meeting is invited to:

- a) take note of the information presented in this paper;
- b) analyze the failure reports for identifying improvements; and
- c) take any other action that the meeting considers appropriate.