



International Civil Aviation Organization
North American, Central American and Caribbean Office (NACC)
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

Agenda Item 2: E/CAR AFS Network

2.1 Network Performance analysis and general aspects

TITLE OF WORKING PAPER

(Presented by Barbados)

SUMMARY	
There has been an increased number of faults associated with the E/CAR AFS Network as compared to a similar period last year from the point of view of Barbados. The increase number of failures is mainly associated with the Data services. The pattern of voice failures remains unchanged These are still associated primarily with circuit TFFF. Performance is still however reasonably good. The fault resolution and Network performance data needs to be analysed to identify and address any apparent trends. Circulation to states or the NTG may be useful	
<i>Strategic Objectives</i>	<i>This working paper is related to Strategic Objectives: A. Safety – Enhance global civil aviation safety C. Environmental Protection and Sustainable Development of Air Transport</i>

1. Introduction

1.1 This working paper seeks to provide a performance evaluation of the E/CAR AFS Network as experienced in Barbados over the past twelve months. During this period there have been Five (5) recorded faults or failures associated with the voice Network and seven (7) failure reports associated with the Data Services.

2. Discussion

2.1 The Record of faults or failures recorded in Barbados is as provided below:

Date Type

July 24 2012	Data &voice
Aug 12 2012	Data
Oct 07 2012	Data

Nov 21 2012 Voice
Feb 07 2013 Data
Feb 11 2013 Data &Voice
Feb 13 2013 Voice
Apr 11 2013 Data
May 06 2013 Data &Voice

2.2 Circuits affected

2.2.1 ***Faults on the voice circuits***

The voice faults were generally associated with voice circuit TFFF. On February 11 2013, both TFFF and TPPP were affected, both the Voice and Data circuits.

2.2.2 ***Faults on the Data Circuits***

On February 07, the fault was reported to be associated with the TVSV circuit .All other faults were associated with TFFF or TPPP

2.2.3 ***Comparison of performance this period.***

2.2.3.1 The pattern of faults on the voice circuits continues to be the same as in the previous report last June, mainly affecting the TFFF circuit only.

2.2.3.2 The number of reported faults associated with the data circuits has however shown a significant increase. It is unclear whether this represents deterioration in network performance. The fault resolution information and relevant network statistics reports would require appropriate analysis.

3. Recommendation

- a) address the issues resulting in the pattern of repeated faults with the TFFF circuit; and
- b) determine whether there are increasing number of faults or performance issues affecting the network, and take the required steps to resolve them.

4. Suggested action

4.1 The Meeting is invited to:

- a) take note of the information presented in this paper, and
- b) agree actions for recommendation in paragraph 3