E/CAR/NTG/7 & E/CAR/RD/5 — WP/06
13/10/16

Seventh Eastern Caribbean Network Technical Group (E/CAR/NTG/7) and
Fifth Eastern Caribbean Radar Data Sharing Ad hoc Group (E/CAR/RD/5)
Basseterre, St. Kitts and Nevis, 17 – 18 October 2016

Agenda Item 3: **E/CAR Aeronautical Fixed Service (AFS) Network Performance and Operation**
3.1 **Network performance and general aspects**

NETWORK PERFORMANCE AND GENERAL ASPECTS

(Presented by ECCAA)

<table>
<tr><td colspan="2" align="center">EXECUTIVE SUMMARY</td></tr>
<tr><td colspan="2">This paper summarizes the performance of the E/CAR/AFS Network performance in the OECS States including Montserrat and Anguilla.</td></tr>
<tr><td>Action:</td><td>The suggested actions are stated in Section 3.</td></tr>
<tr><td>Strategic Objectives:</td><td>• Safety
• Air Navigation Capacity and Efficiency</td></tr>
<tr><td>References:</td><td>• E/CAR/AFS failure reports</td></tr>
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1. Introduction

1.1 This working paper provides an overview performance evaluation of the E/CAR AFS Network for the past twelve (12) months. Except for one (1) unit that continually experienced dropouts on the speech lines, all other units reported that the network performed reasonably well. Very few down times were reported and on those occasions the outages were very short and did not impact heavily on the operations of the units. Some failures can be attributed to the terminal equipment problems.

2. Discussion

Analysis of performance of the network

2.1 As indicated in the introduction, the network was reasonably stable for the period under review. Down times during scheduled and unscheduled were at a minimum.

2.2   There seemed to have been a slight breakdown on feedback when faults are reported. On such occasions, escalation measures were taken.

2.3   Analysis of failures and recommendations:

- The terminal equipment problems mentioned above were as a result of environmental issues in the case of St. Kitts and Anguilla.
- A total failure currently exists at Douglas Charles Airport, Dominica. This failure occurred in August 2016 when the equipment was destroyed during the passage of a tropical storm.
- There is also a current problem at Hewanorra International Airport on the speech circuit. When ATC is on a call and another unit calls, the first call is interrupted. It appears that the roll-over feature is malfunctioning.

Conclusions/Recommendations

2.4   Except for the problems mentioned above, the network performance has been reasonably good.

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.

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