



International Civil Aviation Organization

NORTH AMERICAN, CENTRAL AMERICAN AND CARIBBEAN OFFICE

Twenty-Ninth Eastern Caribbean Working Group Meeting (29 E/CAR WG)

Saint Vincent and the Grenadines, 9 to 13 May 2005

29 E/CAR WG – WP/18

02/05/05

Agenda Item 3

Specific Air Navigation Activities and Developments

3.6 Communications, Navigation and Surveillance (CNS)

INCREASE OF E/CAR NETWORK FAILURES

(Presented by France)

SUMMARY

This WP reports the huge increase of the failures suffered by the French ATS units and proposes actions to clarify and improve the operation of the network.

Appendix A: **Reported failures for Martinique**

Appendix B: **Reported failures for Guadeloupe**

1. Introduction

1.1 Since January 2005, the number of failures of the regional network has increased significantly. This low reliability is incompatible with the safety level that should be ensured by the ATM services. A non exhaustive list of significant failures of the network is provided in annex to this WP.

2. Discussion

2.1 Among other outages we can underline the 43 days of failure of the Atlanta link leaving the E/CAR out of AFTN contact outside the Piarco FIR.

2.2 Moreover the lack of alternate solution for the AFTN on one hand and the high level of occupancy of the public telephone lines does NOT allow easy and efficient back up.

2.3 Lastly, the lack of feed back during such long failures makes the outages more difficult to manage for our ATM staff in general and to explain to the users.

3. Proposed action

3.1 The meeting is invited to establish an urgent action plan in order to improve the reliability of the network.

E/CAR digital network failures

Martinique
From January 2005 to February 2005

| Location | Date | Type of failure | Duration (minutes) | Action engaged | Source / cause of failure |
|------------|------------|----------------------------------|--------------------|-----------------------|---------------------------|
| MARTINIQUE | 05-janv-05 | Out of order | 120 | Call TSTT supervisor. | |
| MARTINIQUE | 22-janv-05 | Out of order | 2715 | Call TSTT supervisor. | |
| MARTINIQUE | 06-févr-05 | Phone lines out of order | 30 | | |
| MARTINIQUE | 07-févr-05 | AFTN link to PIARCO out of order | 405 | | |
| MARTINIQUE | 08-févr-05 | Phone lines out of order | 20 | | |
| MARTINIQUE | 10-févr-05 | Phone lines out of order | 140 | | |
| MARTINIQUE | 20-févr-05 | Phone lines out of order | 1590 | | |
| | | | | | |

APPENDIX A

E/CAR digital network failures

Guadeloupe
From January 2005 to March 2005

| Location | Date | Type of failure | Duration (minutes) | Action engaged | Source / cause of failure |
|------------|------------|------------------------------------|--------------------|-----------------------|---------------------------|
| GUADELOUPE | 2-janv-05 | Out of order | | Reset of local system | |
| GUADELOUPE | 3-janv-05 | Out of order | | | |
| GUADELOUPE | 10-janv-05 | San Juan unreachable | | | |
| GUADELOUPE | 14-janv-05 | Melville unreachable | | | |
| GUADELOUPE | 18-janv-05 | San Juan unreachable | | | |
| GUADELOUPE | 24-janv-05 | Out of order | | Reset of local system | |
| GUADELOUPE | 29-janv-05 | Canefield unreachable | | | |
| GUADELOUPE | 8-févr-05 | Canefield unreachable | 9438 | | |
| GUADELOUPE | 14-févr-05 | Dominica unreachable | 5611 | | |
| GUADELOUPE | 27-févr-05 | Dominica "busy tone" on phone line | | | |
| GUADELOUPE | 28-févr-05 | San Juan unreachable | 2 | Reset of local system | |
| GUADELOUPE | 10-mars-05 | Out of order | 19 | | |
| GUADELOUPE | 11-mars-05 | San Juan unreachable | 4549 | | |
| GUADELOUPE | 25-mars-05 | Dominica "busy tone" on phone line | | | |
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APPENDIX B

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