



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICAN OFFICE**

**Seventh Meeting of the FANS I/A Interoperability Team (SAT/FIT/7)
 Las Palmas, Canarias, 16 to 17 April 2012**

Agenda Item 4: Datalink Interoperability Environment of the South Atlantic

(Presented by South Africa)

SUMMARY

This paper presents a summary of the datalink environment across the South Atlantic.

1. INTRODUCTION

- 1.1 Emirates Airline has compiled a summary of CPDLC service issues for a one month period (24 Jan – 25 Feb 2012) in the South Atlantic Datalink Environment.
- 1.2 Feedback forms were received from 21 flights which included comments or observations on the ADS/CPDLC services provided by SBAO, GOOO, DIII and DGAC FIRs.

2. DISCUSSION

2.1 Summary of overall findings :

- | | |
|---|----|
| ▪ No Auto transfer/No termination/Manual Log-on | 21 |
| ▪ Unable to log-on | 3 |

2.2 Summary by FIR:

SBAO

- | | |
|---|---|
| ▪ No NDA event, no transfer to next FIR | 4 |
|---|---|

Comment

Datalink service is stable, Auto Transfer to the next FIR occasionally does not occur, but ATC Comm is terminated by SBAO, so crews just manually log-on to the next FIR.

GOOO

- | | |
|---|----|
| ▪ No Auto Transfer to next FIR | 17 |
| ▪ ADS connection only | 1 |
| ▪ Multiple attempts to log-on are occasionally required | 1 |

Comment

Datalink service is stable, but irregular service standard issues require some follow-up. No Auto Transfer to next FIR and manual log-off is required.

DIII

- | | |
|--------------------------------|----|
| ▪ No Auto Transfer to next FIR | 18 |
| ▪ Manual log-off is required | 3 |
| ▪ Unable to log on | 1 |

Comment

Datalink service is stable, No Auto Transfer to next FIR, and manual log-off is also required sometimes.

DGAC

- | | |
|--------------------|---|
| ▪ Unable to log on | 2 |
|--------------------|---|

Comment

Datalink service is becoming stable, but there are still reports where crews are unable to log-on. Irregular service standard issues require some follow-up. Monitor NDA status with Brazzaville FCCC when Operational Trials begin 05 April 2012.

- 2.3 Details of the reports of the flights are attached in an Excel spreadsheet to assist in the discussion.
- 2.4 From this survey, it is established that seamless Datalink services is a short-coming due to lack of Auto Transfer. As AORRA traffic can transit an FIR for a short distance, Auto Transfer is very useful and supports a seamless ATM environment.
- 2.5 ATC Comm service should be terminated by the ANSP if NDA is not available with the next CPDLC FIR.
- 2.6 Brazzaville FCCC and N'Djamena FTTT will begin Datalink services from 05 APR 12 AIRAC and Emirates Airline will include an internal survey for these 2 FIRs and report to the next SAT/FIT.
- 2.7 Emirates airline will continue to work with States and the CRA to identify problems and improve the level of services in the Region.

3. **ACTION BY THE MEETING**

- 3.1 The meeting is invited to review the data and discuss ways to improve the ADS/CPDLC service levels within the South Atlantic AORRA region.
