



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
TWELFTH MEETING ON THE IMPROVEMENT OF THE AIR TRAFFIC SERVICES IN THE SOUTH
ATLANTIC**

(Sal, Cape Verde, 15 – 17 December 2004)

Agenda Item 5: CNS/ATM Systems Implementation

**ADS/CPDLC
Presented by: South Africa**

SUMMARY

The use of ADS/CPDLC will enhance safety and reduce congestion of HF frequencies within the South Atlantic Region.

1. Introduction

- 1.1** South Africa in the process of legislating that ADS/CPDLC becomes the primary means of communication and surveillance in the remote Oceanic areas within its area of responsibility. HF communication will be maintained as a secondary means of communication.

2. Discussion

- 2.1** As per the submission to the SAT/11 TF meeting providing information on the utilisation of ADS/CPDLC to enhance safety within an environment in which surveillance would not normally be available, the use of ADS/CPDLC by appropriately equipped aircraft does not only enhance safety by providing surveillance capability, but also contributes to the reduction of congestion on the HF system. The surveillance ability also provides the basis for other procedures which may be implemented, such as block level allocation operations, which also contributes to flight efficiency.
- 2.2** The use of ADS and CPDLC is supported by the AFI CNS/ATM implementation plan (DOC 003) and has been, in response to the need identified by the AFI CNS/ATM implementation plan 1995 - 2015(DOC 003), in use in the South African Oceanic area of responsibility from 1999.

3. Conclusion

The meeting is invited to:

- Note that ADS/CPDLC as a means of communication and surveillance has been in operation within the Southern Atlantic since 1999.
- Note that South Africa is legislating the use of ADS/CPDLC as the primary means of communication within its remote Oceanic areas of responsibility.
- Urge States adjacent to the South African Oceanic areas to consider harmonisation of procedures via ATS agreement in order to utilise this capability as a primary means of communication.
- Encourage Operators to equip with ADS/CPDLC in order to take advantage of the increased efficiency in communication and surveillance capability available in order to enhance safety

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