



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICAN OFFICE

Eighth Meeting of the FANS I/A Interoperability Team (SAT/FIT/8)
Dakar, Senegal, 15 to 16 July 2013

Agenda Item 3: Review of ADS-C/CPDLC programme and implementation activities in SAT FIRs

(Presented by the Secretariat)

SUMMARY

This paper is related to the ADS-C/CPDLC programme and implementation activities in the SAT area.

Reference:
SATFIT7 meeting report.

1. INTRODUCTION

1.1 In accordance with the Terms of Reference and work programme of the SAT FANS I/A Interoperability Team (SAT/FIT), the monitoring of the harmonized implementation of ADS-C/CPDLC in the SAT area is one of the key tasks of the team.

2. DISCUSSION

2.1 The SAT/FIT/7 meeting which was held in Las Palmas, Canarias, on 16-17 April 2012 reviewed and discussed the status of implementation of ADS-C/CPDLC in the SAT FIRs.

2.2 The status of implementation of ADS-C/CPDLC in the SAT area as reported to and since the SATFIT/7 meeting is shown in the following table:

STATE/ACC	Implementation status/Target date	Remark
Dakar/Senegal	Implemented/August 2009	Full operational
Canarias/Spain	Implemented/August 2009	Full operational
Recife/Brazil	Implemented July 2009	Full operational
Abidjan/ Cote d'Ivoire	Implemented/August 2010	Full operational
Johannesburg/South Africa	Implemented Feb 2005	Full operational
Ezeiza/ Argentina	First quarter 2012	pre-operational
Luanda/Angola	May 2014	At the project level
Accra/Ghana	December 2011	Full operational
Sal/Cape Verde	September 2011	Full operational
Montevideo/Uruguay	Possible date 2012	At the planning level
Rochambeau/France	March 2011	Full operational
Piarco/Trinidad Tobaggo	Second half 2012	Preoperational

2.3 The meeting noted the progress made by SAT members in the implementation of ADS-C/CPDLC and recalled the need to ensure harmonization and interoperability between systems by updating the information shown in the table above and enabling all SAT members to have a common view of the status of implementation of ADS-C/CPDLC in the SAT area.

2.4 The meeting expressed also its concern on the low pace of evolution of the implementation process in Luanda FIR that was initially planned to be equipped and fully operational by December 2011. The meeting (**Decision SAT/FIT7/01**) therefore tasked South Africa and Ghana to assist Angola in the implementation of the project through a coordination mission under the auspice of ICAO Regional Offices (WACAF and ESAF). This mission took place from 01 to 05 May 2013 and an executive summary report thereof is at **appendix A** to this paper. As a result, the mission, inter alia, drafted implementation actions plans (**Appendix B and C** to this paper) to the benefit of ENANA.

2.5 The meeting also noted the growth of the fleet currently fully equipped and operating ADS-C/CPDLC in many SAT FIRs and encouraged IATA to pursue sensitizing its members to take advantage of ADS-C/CPDLC availability in the SAT area. (**Decision SAT/FIT7/02**)

2.6 The meeting considered operational reports related to the incorrect use of some CPDLC functionalities including the ability to transfer a CPDLC connection from one ATS Unit to another and the CPDLC transfer process. In this regard **Conclusion SAT/ FIT7/01** called on ATS Units and Aircraft operators to draw the attention of air traffic controllers and pilots to the use of recommended procedures in the CPDLC transfer process.

2.7 The meeting also discussed the current lack of auto transfer along UA560 between ARLEM and IPEKA (Dakar and Abidjan) due to the portion of this route within Roberts FIR, not currently CPDLC equipped. It was agreed (**Decision SAT/FIT7/03**) that technical measures will be undertaken by Dakar and Abidjan to ensure auto transfer along UA560 in collaboration with Roberts FIR, ICAO Regional WACAF Office to assist the three centers convene a coordinating meeting on this issue. This issue will be considered in a side meeting in the fringe of SATFIT/8 meeting.

3. ACTION REQUIRED

3.1 The meeting is invited to:

- Note the information contained in this working paper
- Update the information on ADS-C/CPDLC implementation status in the SAT area contained in the table at para. 2.2 above.
- Update on any other matter related to the implementation of ADS-C/CPDLC in the SAT, including operational coordination issues.
