



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE
Third Meeting of the Central Atlantic FIR Satellite Network (CAFSAT) Management
Committee (CNMC/3)
(Dakar, Senegal, 15-16 July 2013)

Agenda Item 6: CAFSAT Modernization and Re-engineering
(Presented by ASECNA)

Summary

This working paper reports on the modernization and Re-engineering of the Dakar and Nouakchott CAFSAT nodes

1. Introduction

Considering that the CAFSAT network has been operating since 2000, the SAT/16 meeting established a Joint Technical Team for the CAFSAT network evaluation and the Re-engineering. A draft document including a road map has been circulated among the concerned States.

While implementing the full the CAFSAT network evaluation and the Re-engineering, the CNMC/2 meeting agreed to implement the phase 1 of the road map. This working paper reports on the modernization and Re-engineering of the Dakar and Nouakchott CAFSAT nodes undertaken by ASECNA

2. Discussion

The meeting agreed that in order to ensure the continuity of service operating on CAFSAT, the implementation of phase 1 of the roadmap for CAFSAT re-engineering consisting on the replacement of the obsolete base band components of the nodes appears to be a matter of urgency.

The following conclusion was formulated the conclusion 2/09 of the CNMC/2:

“States/Organizations that have not done so, implement phase 1 of the roadmap for CAFSAT re-engineering consisting on the replacement of the obsolete base band components of their nodes.”

ASECNA issued a call for tender to upgrade Dakar and Nouakchott CAFSAT nodes. This upgrade includes the replacement of the current baseband equipment with the following:

Equipment	Description/type
SDM-92X0	NetPerformer™ Integrated Access Routers
SDM-8400	NetPerformer™ Serial Port Extender

The SDM-92X0 will be equipped with the voice and data cards to support the ATS/DS, AFTN and service link with Brazil (Recife), Cabo- Verde(Sal), Canarias (Las Palmas), Morocco (Casablanca) and South Africa (Johannesburg)

The supervision system in Dakar will also be restored

The administrative procedures are ongoing

3. Action by THE MEETING

- a) take note of the actions undertaken by ASECNA regarding the modernization and the re-engineering of CAFSAT network;
- b) Encourage all the concerned States to pursue the modernization and re-engineering of the CAFSAT network, in order ensure a seamless provision of the aeronautical telecommunication services.

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