



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE
**Third Meeting of the Central Atlantic FIR Satellite Network (CAFSAT) Management
 Committee (CNMC/4)**
(Buenos Aires, Argentina, 04-05 August 2014)

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 complete the upgrade Dakar and Nouakchott CAFSAT nodes respectively from May to June 2014 This upgrade includes the replacement of the current baseband equipment with the following:

Equipment	Description/type
SDM-9230	NetPerformer™ Integrated Access Routers
SDM-8400	NetPerformer™ Serial Port Extender

The technical detail of the upgrade is provide in appendices and the various services including AFTN, ATS/DS and supervision with Brazil (Recife), Cabo- Verde(Sal), Canarias (Las Palmas), Morocco (Casablanca) and South Africa (Johannesburg) have been successfully migrated on the new equipment and are fully operational.

The supervision system in Dakar and Nouakchott has been restored

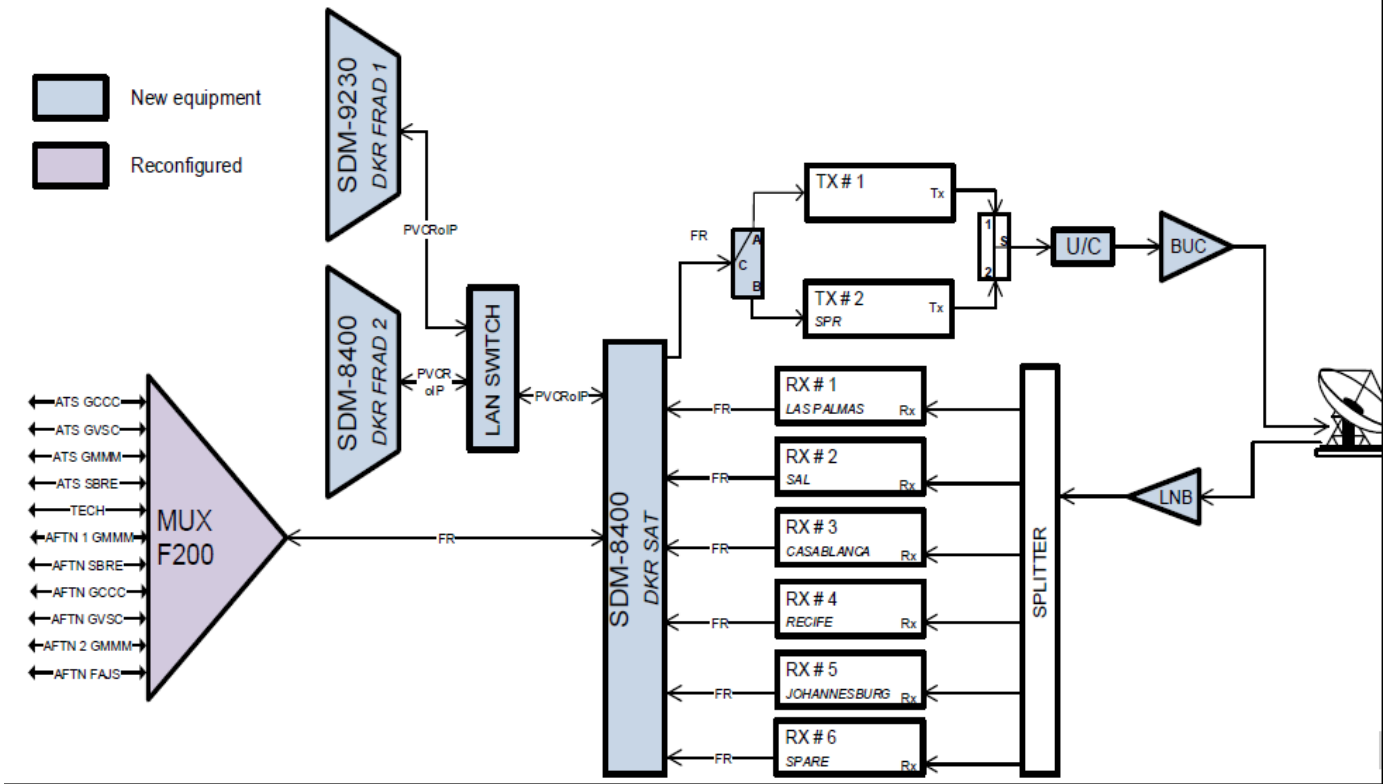
3. Action by THE MEETING

The meeting is invited to take note of the actions undertaken by ASECNA regarding the modernization and the re-engineering of CAFSAT network;

...END....

Dakar – Station

Phase 1 - Architecture



Nouakchott – Station

Phase 1 - Architecture

