



SAT/14
WP/12
21/04/08

INTERNATIONAL CIVIL AVIATION ORGANIZATION

FOURTEENTH MEETING ON THE IMPROVEMENT OF AIR TRAFFIC SERVICES OVER THE SOUTH ATLANTIC

Montevideo, Uruguay, 7 to 9 May 2008

- Agenda Item 2: Communications, navigation, surveillance (CNS)**
2.3. Interoperability between aeronautical VSAT
networks and potential use of digital VSAT
networks to support ATM applications

CAFSAT/AFISNET Interconnexion Las Palmas/Mauritanie

(Presented by Spain)

SUMMARY

This paper presents the results obtained by ASECNA and Spain in order to comply with ICAO requirements for ATS/DS links between Canarias and Mauritania based on a general interconnection solution .

1. - INTRODUCTION

Following a bilateral collaboration plan and according to SAT13/17 Conclusion “ That , to eliminate current deficiencies, the ATS/DS links Las Palmas/Nouakchott and Las Palmas/Noahdibhou be implemented by Spain and ASECNA based on the principle of AFISNET/CAFSAT Interconnection, AENA and ASECNA delegations met in Las Palmas 23-24 January 2007 to design and agree a common schedule

Actions followed :

1) The installation by ASECNA of a CAFSAT node in Nouakchott has permitted the implementation of mandatory. This new CAFSAT node also cover (provisionally) Las Palmas/Nouadhibou ATS-DS link via a double hop link. Nouakchott CAFSAT Station is already operative and includes additional links between Nouakchott and Casablanca.

2) The implementation of a dual CAFSAT/AFISNET satellite Station in Las Palmas enable single hop AFTN/ATS-DS links between Las Palmas and Nouadhibou. The station will use a baseband similar to the one used in all CAFSAT network station, but will operate with [IS10-02@359EAST](#) beam coverage, the one used by ASECNA in AFISNET. At the same time the existing AFISNET station in Nouadhibou will be have a minor upgrade with a frame relay and an RF distribution device to permit the

simultaneous operation with Las Palmas in CAFSAT mode (MCPC) and the rest of AFISNET Network in SCPC. The Station will be operational September 2008 once the assignment of bandwidth from satellite [IS10-02@359EAST](#) is formalized. This is an important step ahead the interconnection of networks

2. ACTION BY THE MEETING

2.1 The SAT/14 Meeting is invited to:

- a) ICAO to eliminate Canaries/Nouakchott and Las Palmas/ Nouadhibou ATS/DS links from list of deficiencies in AFI Region (AFS performance) as ICAO requirements are met
- b) Take note of the information provided in this WP
