



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE
Sixth Meeting of the Central Atlantic FIR Satellite Network (CAFSAT)
Management Committee (CNMC/6)
(Lisbon, Portugal, 06-10 June 2016)

Agenda Item 2: Review the performances of CAFSAT earth stations and the operational statistics of availability for supported links

(Presented by ASECNA)

Summary

This working paper reports the 2015 and 2016 performances of the aeronautical fixed services supported by CAFSAT in ASECNA area as well as the performances of the nodes.

1. Introduction

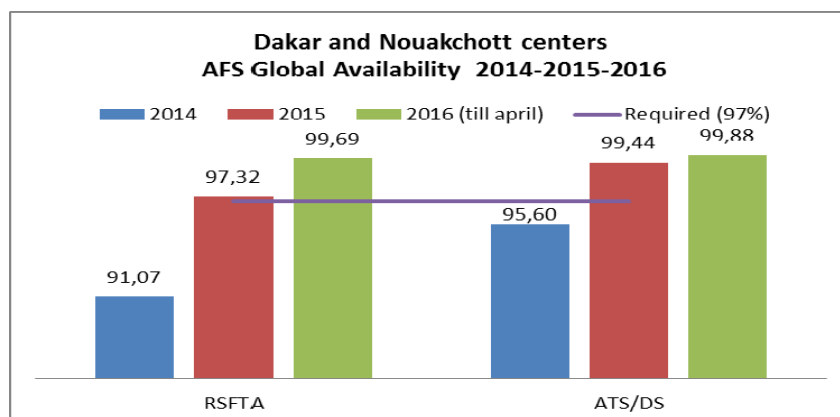
In ASECNA area, two CAFSAT nodes were implemented. The first node is in Dakar (2000) to establish the AFTN links with Rio, Johannesburg, Casablanca, Sal, Madrid and the ATS/DS link with Rio, Casablanca, Las Palmas and Sal. The second node is in Nouakchott (2007) to support the AFTN link with Casablanca and the ATS/DS link with Las Palmas and Casablanca. These nodes contribute to the safe operation of the air navigation services in the SAT region.

This working paper reports the 2015 & 2016 performances for the aeronautical fixed services regarding these links listed above.

2. Discussion

Performance of AFS

The availability tables regarding AFTN and ATS/DS circuits for Nouakchott and Dakar centers are presented in Appendix A. Globally, from 2014 to 2016, the AFS circuits operated satisfactory and met performance required by ICAO.



However it is necessary to highlight the following:

- The instability CAFSAT AFTN link have recorded with :
 - Sal on April and May and from August until October 2015;
 - Rio on March, April and June 2015;
 - Johannesburg on April and July 2015;
 - Madrid on January 2015.

- The Casablanca/Nouakchott AFTN and ATS/DS links are unavailable since January 2014 due to technical problems at Casablanca side and have not yet restored. Contacts between ASECNA and ONDA are ongoing to find suitable solutions.

3. Action by THE MEETING

The meeting is invited to:

- a) Note the information provided in the Working Paper;
- b) Exchange monthly the data circuits between centers so that to enhance or maintain the good availability rate;
- c) Recommend appropriate coordination between the CAFSAT centers including exchange of personal and experience sharing in the network maintenance, in order to continue to insure the availability of the aeronautical telecommunication services.

.... END....

APPENDIX A

Years 2015/2016 Availability of AFTN Circuits; Dakar and Nouakchott COM Centres

Terminal		2015													2016					
2	1	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	Jan	Feb	Mar	Apr	Average	
AFTN	DAKAR	CAS	99,92	100,00	99,82	96,12	99,93	100,00	99,87	100,00	99,27	100,00	100,00	99,91	99,57	100,00	99,73	100,00	99,91	99,91
		MAD	95,58	100,00	98,92	96,13	99,93	99,77	100,00	100,00	95,12	100,00	99,78	99,91	98,76	100,00	99,41	99,94	99,54	99,72
		JNB	100,00	99,82	100,00	96,14	99,94	99,72	79,51	100,00	97,36	99,54	99,52	99,91	97,62	100,00	99,56	100,00	99,90	99,86
		SAL	99,80	99,59	99,23	95,96	96,62	98,98	99,51	96,75	93,59	91,08	99,67	99,68	97,54	100,00	99,24	99,94	99,91	99,77
		RIO	99,47	99,47	90,40	82,20	99,72	53,73	99,72	97,52	97,05	99,94	98,68	99,13	93,09	98,75	98,49	99,63	99,78	99,16
		Average	98,95	99,78	97,68	93,31	99,23	90,44	95,72	98,85	96,48	98,11	99,53	99,71		99,75	99,28	99,90	99,81	

Terminal		2015													2016					
2	1	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average	Jan	Feb	Mar	Apr	Average	
ATS/DS	DAKAR	LAS	100	100	100	99,8	100	100	100	100	100	100	100	100	99,98	100,00	100,00	100,00	100,00	100,00
		SAL	100	100	100	99,8	100	100	100	100	100	100	100	100	99,98	100,00	100,00	100,00	100,00	100,00
		ATL	100	100	100	99,8	100	100	100	100	100	100	100	100	99,98	100,00	100,00	100,00	100,00	100,00
		Average	100	100	100	99,8	100	100	100	100	100	100	100	100		100,00	100,00	100,00	100,00	
	NKC	LAS	97,87	97,61	99,45	96,57	99,81	100,00	99,94	98,84	100,00	97,81	99,00	99,84	98,89	100,00	99,86	99,84	99,37	99,77

