



INTERNATIONAL CIVIL AVIATION ORGANIZATION  
**Seventh Meeting of the Central Atlantic FIR Satellite Network (CAFSAT)**  
**Management Committee (CNMC/7)**  
**(Paris, France, 5-9 June 2017)**

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**Agenda Item 2: Review the performance of CAFSAT earth stations and the operational statistics of Availability for supported links**

(Presented by ASECNA)

**Summary**

This working paper reports the 2016 and 2017 performances of the aeronautical fixed services supported by CAFSAT in ASECNA area as well as the performances of the nodes.

**1. Introduction**

The CAFSAT network has been designed and implemented since 2000 with the goal to support the provision air navigation services in the SAT region. Two nodes were implemented in ASECNA area, in Dakar (in 2000) and in Nouakchott (in 2007) and contribute to the safe operation of the air navigation services in the SAT region.

According to the conclusion 2/09 of the CNMC/2, ASECNA completed the upgrade phase I of Dakar and Nouakchott CAFSAT nodes since June 2014.

This working paper reports the 2016 & 2017 performances for the aeronautical fixed services regarding the links between these centers and the involved correspondent CAFSAT centers as well as the performances of the nodes.

**2. Discussion**

**2.1 Performance of Dakar and Nouakchott CAFSAT nodes**

From 2016 to 2017, the CAFSAT nodes of Dakar performed quite well. However, the Nouakchott node was affected by the transfer of the node from the old airport to the new one.

**2.2 Performance of AFS**

The availability diagram regarding AFTN and ATS/DS circuits for Nouakchott and Dakar centers are presented in Appendix A. Globally, from 2016 to 2017, the AFS circuits both AFTN and ATS/DS operated satisfactory.

However, the following is to be highlighted:

- The implementation of a SCPC link solution to restore the AFS between Casablanca and Nouakchott. Since January 2017 the ATS/DS link has been restored, however AFTN link is not operational yet.
- Diversion through Dakar center is applied to ensure the continuity of AFTN service
- The two centers must continue the coordination in order to restore the AFTN link.
- The decrease of Madrid/Dakar AFTN circuit availability in February is due a lack of coordination between the two centers related to the update of the link parameters.

**3. Action by THE MEETING**

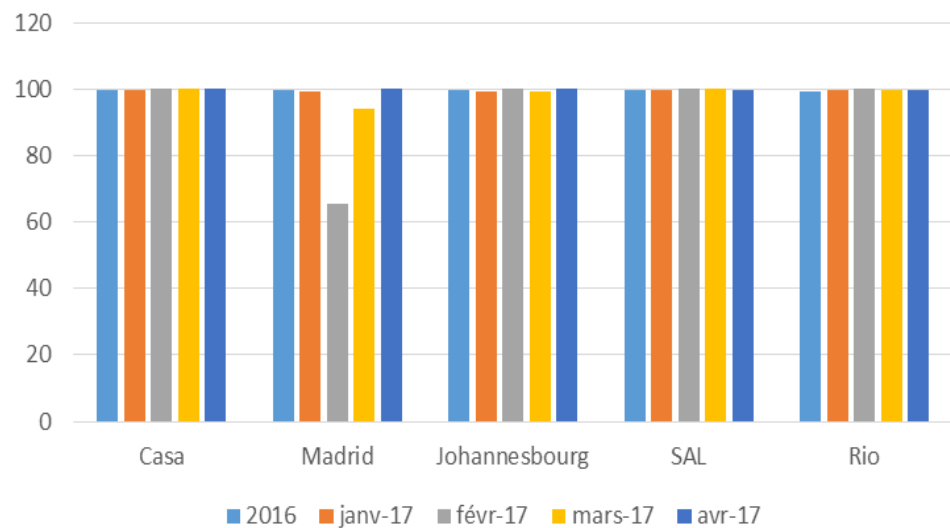
3.1 The meeting is invited to:

- a) Note the information provided in the Working Paper;
- b) Recommend to pursue the efforts to improve the availability of the aeronautical telecommunication services supported by CAFSAT.

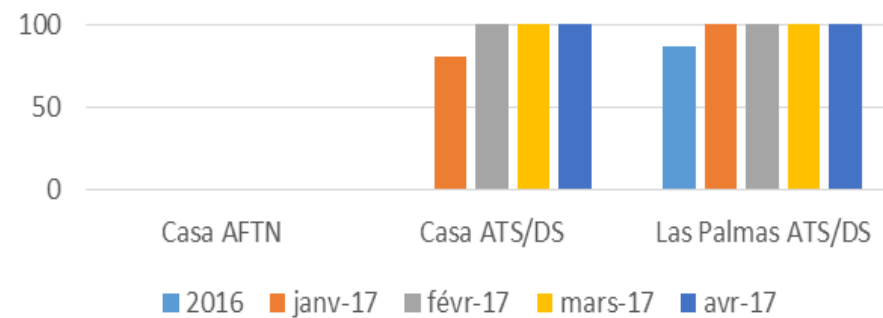
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APPENDIX A

DAKAR centre AFTN availability 2016 - april 2017



NOUAKCHOTT centre AFTN & ATS/DS availability 2016 - april 2017



DAKAR centre ATS/DS availability 2016 - april 2017

