



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
SOUTH AMERICAN OFFICE**

**Fourth Meeting of the Central Atlantic FIR Satellite Network (CAFSAT)
Management Committee (CNMC/4)
Buenos Aires, Argentina 04 - 05 August 2014**

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

Lisbon and Santa Maria CAFSAT stations availability

(Presented by Portugal)

Summary

This working paper presents information on availability of Lisbon and Santa Maria CAFSAT stations during the year 2013 and the 1st semester of 2014.

1 Background

According Conclusion SAT/16/14 and Decision CNMC/1/02 each trimester statistics of availability of CAFSAT earth stations are to be sending to ICAO Dakar Office and CNMC manager.

2 Discussion

Portugal has presented a quarterly report on availability of CAFSAT earth stations of Lisbon and Santa Maria.

This WP presents the consolidated report of year 2013 and for the 1st semester of 2014. Presented data is for Level 4 (client base equipment to client base equipment).

3 Suggested action

Meeting is invited to note the information of this WP.

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(13 pages)



CAFSAT Collection of the Performance Statistic Data
(1st semester 2013)

Appendix A

Performance of AFTN

Centre: **Lisbon** (Coordinates: 38° 46' 29.14'' N / 09° 07' 28.77 W, under WSG 84 format)

Date: 02/08/2013

Country	Terminal I	Terminal II	Support	Com Prot.	Speed	Transit time	Routing	Monthly Availability 2013												½ Annual Average Availability	
								01		02		03		04		05		06		1	Rx
Portugal	Lisbon	Santa Maria	CAFSAT	Assy. V.24	2.4 Kbps		Direct	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	100%	100%
								100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
		01						02		03		04		05		06					
		Tx						Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx

Quality Performance of ATS/DS

Centre: **Lisbon**

Date: 02/08/2013

Country	Terminal I	Terminal II	Support	Connection Time	Nb.. of Attempts	One Way Latency Time	Call set up time	Voice Quality (1 to 5)	Monthly Availability 2013						½ Annual Average Availability	
									01	02	03	04	05	06		
Portugal	Lisbon	Santa Maria 1	CAFSAT					4	100%	100%	100%	100%	100%	100%	100%	100%
		Santa Maria 2						4	100%	100%	100%	100%	100%	100%	100%	
		Casablanca AMS (Foia)						4	99.88%	99.95%	99.94%	100%	100%	99.71%	99.82%	
										01	02	03	04	05	06	

CNS Services OLDI and Radar Data

Centre: Lisbon

Date: 02/08/2013

Country	Terminal I	Terminal II	Support	Provided Service	COM Protocol	Speed	Transit Time	Routing	Monthly Availability 2013						½ Annual Average Availability	
									01	02	03	04	05	06		
Portugal	Lisbon	Casablanca	CAFSAT	OLDI	X.25	9.6 Kbps		Direct	01	02	03	04	05	06	99.96%	
										99.88%	99.951%	99.947%	100%	100%		100%
		Casablanca		Radar Fóia	HDLC	9.6 Kbps		Direct	01	02	03	04	05	06	99.96%	
											99.88%	99.95%	99.94%	100%		100%
		Casablanca		Radar Porto Santo	HDLC	9.6 Kbps		Direct	01	02	03	04	05	06	99.96%	
									01	02	03	04	05	06		



CAFSAT Collection of the Performance Statistic Data
(2nd semester 2013)

Appendix B

Performance of AFTN

Centre: Lisbon (Coordinates: 38° 46' 29.14'' N / 09° 07' 28.77'' W, under WGS 84 format)

Date: 13/03/2014

Country	Terminal I	Terminal II	Support	Com Prot.	Speed	Transit time	Routing	Monthly Availability 2013												½ Annual Average Availability		
								07		08		09		10		11		12		2		
Portugal	Lisbon	Santa Maria	CAFSAT	Assy. V.24	2.4 Kbps		Direct	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	
								100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
		07						08		09		10		11		12						
		Tx						Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx	Tx	Rx

Quality Performance of ATS/DS

Centre: Lisbon

Date: 13/03/2014

Country	Terminal I	Terminal II	Support	Connection Time	Nb.. of Attempts	One Way Latency Time	Call set up time	Voice Quality (1 to 5)	Monthly Availability 2013						½ Annual Average Availability
									07	08	09	10	11	12	
Portugal	Lisbon	Santa Maria 1	CAFSAT					4	07	08	09	10	11	12	100%
		100%		100%	100%	100%	100%	100%							
		Santa Maria 2						4	07	08	09	10	11	12	100%
		100%		100%	100%	100%	100%	100%							
		Casablanca AMS (Foia)						4	07	08	09	10	11	12	100%
		100%		100%	100%	100%	100%	100%							
							07	08	09	10	11	12			

CNS Services OLDI and Radar Data

Centre: Lisbon

Date: 24/07/2014

Country	Terminal I	Terminal II	Support	Provided Service	COM Protocol	Speed	Transit Time	Routing	Monthly Availability 2014						½ Annual Average Availability
									01	02	03	04	05	06	
Portugal	Lisbon	Casablanca	CAFSAT	OLDI	X.25	9.6 Kbps		Direct	01	02	03	04	05	06	100%
		Casablanca		Radar Fóia	HDLC	9.6 Kbps		Direct	01	02	03	04	05	06	100%
		Casablanca		Radar Porto Santo	HDLC	9.6 Kbps		Direct	01	02	03	04	05	06	100%
									01	02	03	04	05	06	

