



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICAN OFFICE
Nineteenth Meeting of the AFI Satellite Network Management Committee
(SNMC/19)
(Accra, Ghana 14-18 November 2011)

Agenda Item 2: Review of operational statistics of availability for AFISNET-supported links

(Presented by the secretariat)

SUMMARY

The purpose of this paper is to inform the meeting of the status of operational statistics of for AFISNET availability-supported links.

Reference: Monthly Reports from GCAA, NAMA, Roberts FIR and ASECNA

Action by the meeting in paragraph 3

1. Introduction

The AFI/6 RAN meeting recommended that States operating AFTN arrange for the monthly recording of circuits performance charts and for the exchange of completed forms between the stations concerned with copy to relevant ICAO Regional Office. The AFI/7 RAN meeting endorsed this recommendation.

2. Discussion

2.1 Status of implementation of AFTN circuits in AFI region

In the aim to satisfy ATM new requirements involving new organization of airspace, bilateral circuits have been realized and should be taken into account when updating the AFI Com chart.

So the rationalized AFI Plan achievement is now about to be completed. However the performance does not comply everywhere with ICAO Annex X requirements.

2.2 Operational Performance Statistics

The availability charts of the AFTN main circuits are hereto attached in **Appendix** to this Working Paper. When reviewing the performance of the circuits supported by the main AFI centers, one can note important improvement around for example the Dakar and Niamey centers while Brazzaville area is facing a weak availability rate under the recommended value of **97%**.

In particular the average availability of these circuits is under AFI requirements:

BZV-DKR: 91%
BZV-KNO: 0%
BZV-ACC: 0%
BZV- LBV: 90%
BZV-DLA: 87%
NIM-KNO: 89%
NIM-LOS: 94%

The new flight plan format, the requirements of RVSM space management and the automation of flight data processing including flight plan, the automation of AIS including NOTAM messages, recommend that States/Organizations continue their efforts to increase AFS AFTN performance in particular for those current failing circuits.

Despite the above mentioned AFI recommendation, SNMC members are still not submitting the required information in a timely manner. Due to the difficulties faced by the Regional Bureau of WACAF to collect the AFTN statistics from States it should be advisable to consider the implementation of a comprehensive database for AFS-AFTN statistics management and monitoring in the AFI Region.

3. Action by the meeting:

The meeting is invited to:

- a) Take note of the above information
- b) Urge States which do not submit AFTN performance charts to meet the above recommendation to ensure that the information provided is relevant.

AFTN Performance for year 2010

Dakar AFTN Main Center

Liaison	Date mise en service	Support	Débit	Janv	Fév	Mars	Avril	Mai	Juin	Juillet	Aout	Sept	Oct	Nov	Déc	Min	Max	Moy
CASA		CAFSAT		100	100	100	99,79	98,89	99,93	100	100	99,81	100	99,92	100	98,89	100	100
BAMA KO	20 Juil. 89	AFISNET		94,42	88,62	93,32	98,97	97,57	95,22	97,18	90,41	97,32	87,86	83,47	87,86	83,47	98,97	93
BANJUL	JUIL. 1984	LS		99,42	97,99	96,48	99,55	97,39	99,93	100	96,84	80,65	94,1	95,93	94,1	80,65	100	96
LAS-PALMAS		CAFSAT		98,84	99,94	99,14	99,5	99,87	99,34	99,68	99,59	99,53	99,91	100	99,91	98,84	100	100
BISSAU		CAFSAT		99,8	99,18	98,1	99,6	99,75	98,76	100	67,53	72,74	90,27	95,71	90,27	67,53	100	93
NKTT		AFISNET		95,71	99,29	99,47	91,64	99,6	88,9	96,4	96,76	79,91	94,51	70,06	94,51	70,06	99,6	92
SAL		CAFSAT		100	100	99,92	99,63	99,87	99,93	100	100	97,77	98,25	100	98,25	97,77	100	99
CONAKRY	14 Nov.1998	AFISNET		95,21	97,39	98,06	99,47	99,42	98,48	99,56	96,19	76,01	95,83	97,41	95,83	76,01	99,56	96
ABIDJAN	1997	AFISNET		90,88	98,21	98,71	99,52	94,9	99,63	99,63	95,34	76,53	94,37	88,07	94,37	76,53	99,63	94
NIAMEY	1997	AFISNET		89,69	98,58	82,93	99,58	99,87	96,38	97,38	99,45	93,28	90,45	88,63	90,45	82,93	99,87	94
JOBURG	17 Août 1999			90,39	100	99,39	98,04	99,87	99,93	100	100	99,81	100	100	100	90,39	100	99
BRAZZA	1997	AFISNET		97,21	96,62	71,19	98,2	96,72	98,68	99,76	99,15	83,35	92,63	93,56	92,63	71,19	99,76	93
RIO		CAFSAT		100	100	100	99,68	99,87	99,93	100	99,87	99,58	96,12	99,7	96,12	96,12	100	99
TANA	1997	AFISNET		99,56	100	98,12	99,5	99,7	98,67	99,63	99,7	24,04	63,07	25,24	63,07	24,04	100	81
LIBREVILLE	1997	AFISNET		99,51	99,71	99,71	99,2	99,87	97,88	96,8	75,6	73,45	90,63	77,47	90,63	73,45	99,87	92
LUANDA																		

AFTN Performance for year 2010
Niamey AFTN Main Center

Liaison	Date mise en service	Support	Débit	Janv.	Fev.	Mars	Avr.	Mai	Juin	Juil.	Aout	Sept.	Oct.	Nov.	Déc.	Min	Max	Moy
ABIDJAN	1997			90,39	58,57	76,93	83,9	98,03	97,97	95,86	100	99,24	96,93	98,55	100	58,57	100	91
ACCRA				98,63	97,69	99,1	97,09	91,32	94,39	95,28	98,5	99,12	97,42	96,34	98,96	91,32	99,12	97
ADDIS	2 Oct. 92	LS/PTT		97,15	92,47	81,19	89,06	93,74	89	92,33	93,86	88,38	83,29	89,07	97,84	81,19	97,84	91
ALGER		SAT		100	99,85	100	100	100	98,23	93,71	100	100	100	98,45	100	93,71	100	99
BRAZZA	1994			98,99	96,13	92,25	99,47	99,09	94,5	95,96	99,84	98,61	99,72	99,56	99,83	92,25	99,84	98
COTNOU				99,24	99,81	96,57	99,78	99,46	97,25	95,96	99,55	98,37	99,82	99,93	98,63	95,96	99,93	99
DAKAR	1997			90,43	82,78	78,67	98,4	99,38	94,43	94,95	99,89	93,52	89,15	88,16	90,86	78,67	99,89	92
KANO	Déc. 1994			90,46	93,66	73,69	99,11	98	87,78	92,5	99,17	92,71	94	73,11	78,71	73,11	99,17	89
LAGOS				100	96,22	97,88	100	100	41,62	95,72	100	93,5	98,84	98,6	100	41,62	100	94
LOME				98,82	99,85	98,7	98,21	99,35	96,31	96,24	98,71	94,59	95,8	98,97	99,64	94,59	99,85	98
NDJAMENA	Mars. 1995			98,22	97,47	93,77	93,34	93,99	93,23	89,78	95,31	88,03	97,4	85,1	94,33	85,1	98,22	93
NOUAKCHOTT				86,35	98,02	99,89	98,81	99,61	97,18	95	96,39	98,45	96,43	96,01	99,13	86,35	99,89	97
OUAGA				99,84	99,67	97,29	99,32	99,14	96,63	95,03	99,68	97,97	98,21	99,8	99,23	95,03	99,84	98
TRIPOLI				100	99,85	99,97	100	100	97,86	96,25	99,84	96,85	98,67	99,87	100	96,25	100	99

95,35