



INTERNATIONAL CIVIL AVIATION ORGANIZATION
EASTERN AND SOUTHERN OFFICE

First Meeting of the AFI VSAT Networks Managers (AFI VSAT/1)
(Kwa-Zulu Natal, South Africa, 13 to 15 June 2011)

Agenda Item 2c: Operations: Aeronautical Fixed Services

AFTN AND ATS/DS CIRCUIT AVAILABILITY

(Presented by ATNS)

SUMMARY

This working paper provides information on the availability of AFTN and ATS/DS circuits in the NAFISAT and SADC VSAT II networks.

REFERENCE(S)

- Report of SPAFIRAN (Durban, 24-29 November 2008): Appendix L: Guidelines on Performance for VSAT network

1. INTRODUCTION

a) Since 2007 and 2008, the SADC VSAT II and NAFISAT networks are respectively operating at very high levels of availability. The attached Appendix A and Appendix B give a graphical presentation of the AFTN and ATS/DS connectivity respectively of both networks.

2. DISCUSSION

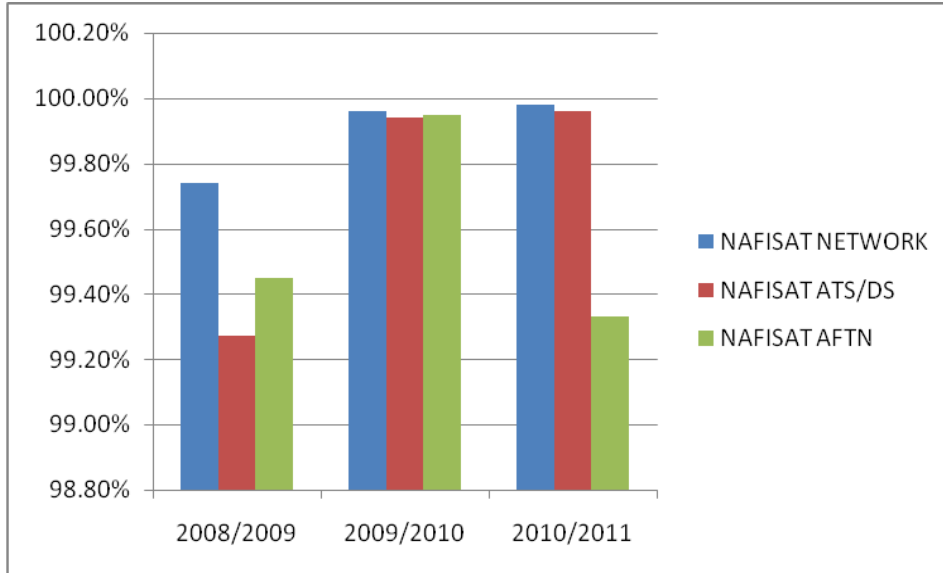
a) ATNS as the VSAT service provider distributes on a monthly basis statistics on the availability of the network and the services to member States and relevant parties.

b) The availabilities are presented from 2008.

c) NAFISAT :

**AVAILABILITY
STATS**

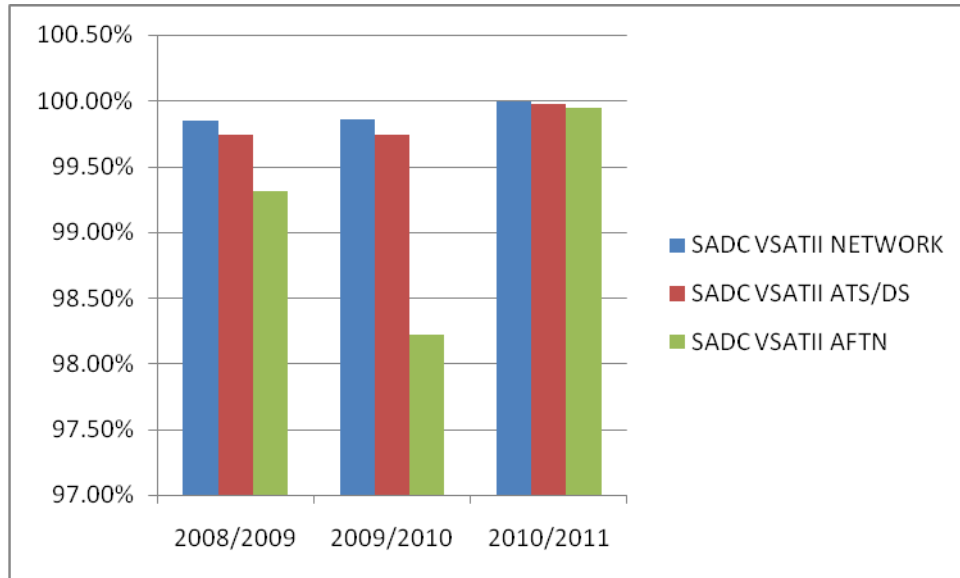
NAFISAT		2008/2009	2009/2010	2010/2011
	NETWORK	99.74%	99.96%	99.98%
	ATS/DS	99.27%	99.94%	99.96%
	AFTN	99.45%	99.95%	99.33%



d) SADC VSAT II :

AVAILABILITY STATS

SADC VSAT II		2008/2009	2009/2010	2010/2011
	NETWORK	99.85%	99.86%	99.99%
	ATS/DS	99.74%	99.74%	99.97%
	AFTN	99.31%	98.22%	99.94%



e) The SADC and NAFISAT service level agreements require a network availability of 98.5%. As can be seen in the diagrams above this figure is exceeded comfortably with figures in the region of 99.8% and more.

2.6 It should also be noted that the availability proposed in the “Guidelines on Performance for VSAT network” (Appendix L to Report of SPAFIRAN) of 99.8% is also met by both networks.

2.7 The ATS/DS and AFTN statistics include the user equipment.

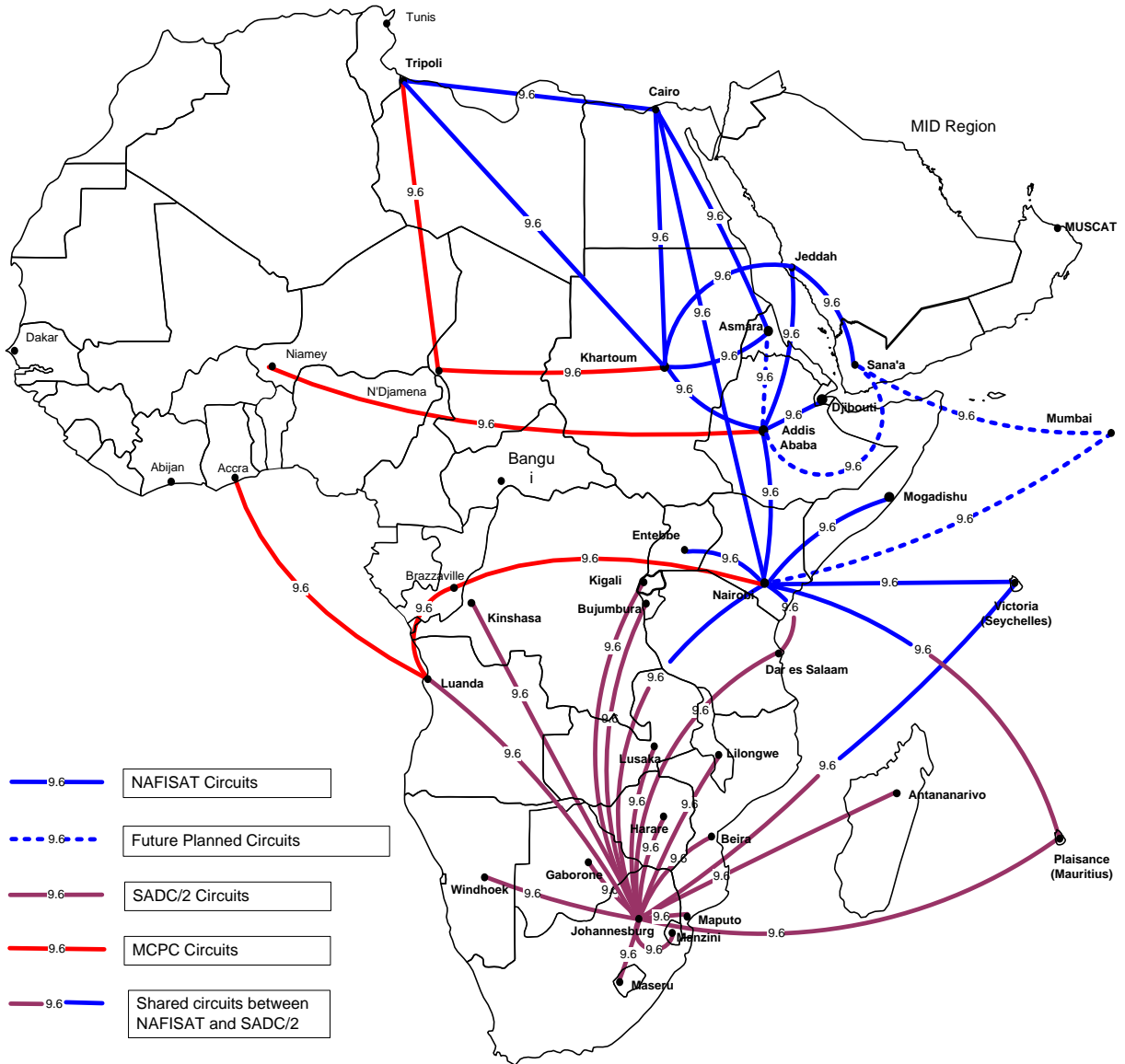
3. CONCLUSION

3.1 The meeting is invited to:

- a) Note the information provided in this working paper.
- b) Take the information into account during discussions.

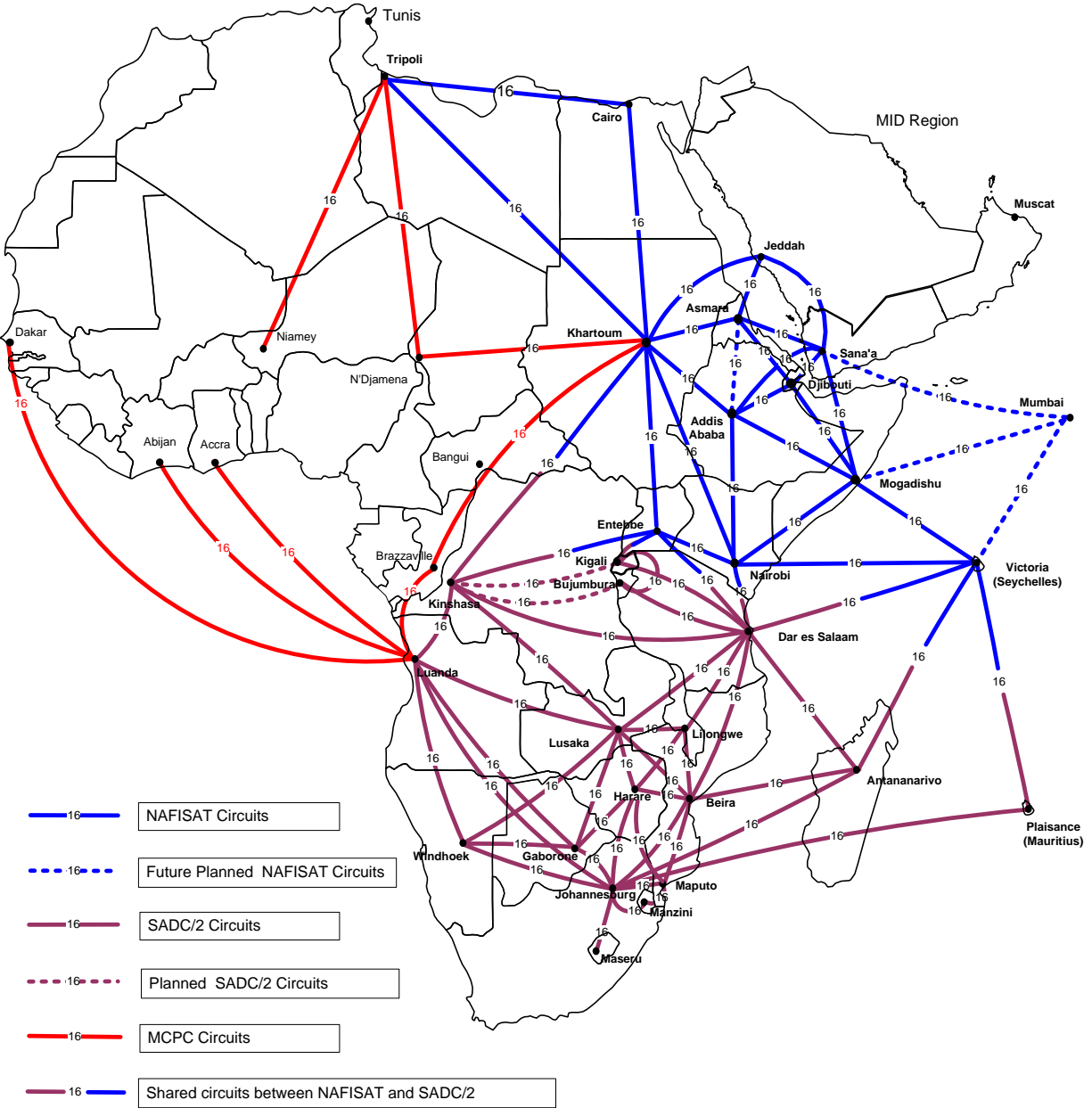
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ATNS VSAT NETWORK NAFISAT and SADC/2 - AFTN Connectivity



Revision 3.0 16-07-2010

ATNS VSAT NETWORK: NAFISAT and SADC/2 - ATS/DS Connectivity



Revision 3.0 17-07-2010