INTERNATIONAL CIVIL AVIATION ORGANIZATION

**Fourth Meeting of the APIRG Communications, Navigation and Surveillance Sub-group
(Dakar, Senegal, 25-29 July 2011)**

Agenda Item 4:   **Aeronautical Fixed Service (AFS)**

Performance of AFS circuits in NAFISAT and SADC VSAT II coverage areas

(Presented by the Secretariat)

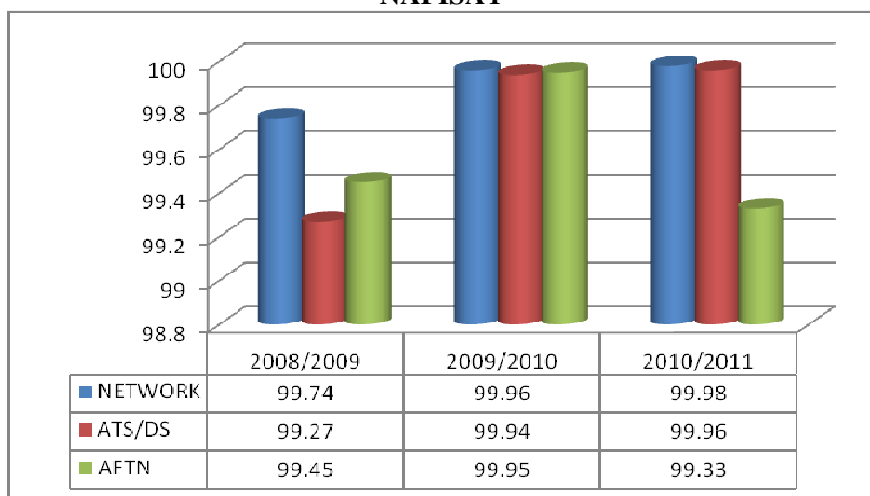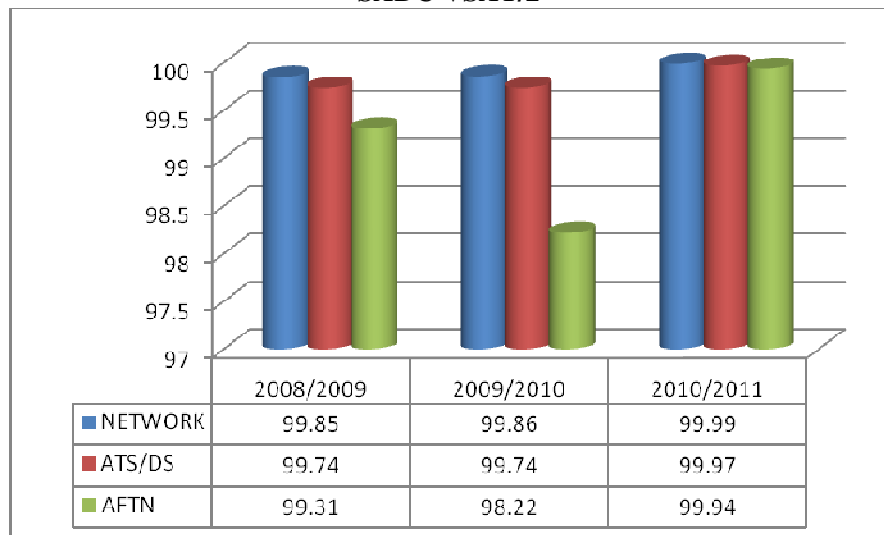| SUMMARY |
|---|
| This information paper provides information on AFS circuits in the NAFISAT and SADC VSAT II coverage areas. |
| Action by the meeting is at paragraph 3. |
| **Reference** :

    • AFI/7 (1997), Report

    • SP AFI RAN (2008), Report |
| Related ICAO Strategic Objective A: Safety and C: Environmental Protection and Sustainable Development of Air Transport. |

1. INTRODUCTION

1.1   The SADC VSAT II and NAFISAT networks are respectively operating at very high levels of availability. This information paper provides a graphical presentation of the AFTN and ATS/DS efficiency respectively of both networks.

2. DISCUSSION

2.1   Air Traffic and Navigation Services of South Africa (ATNS) as the VSAT service provider distributes on a monthly basis statistics on the availability of the network and the services to member States, ICAO and relevant parties. The percentages of availability are summarized below from 2008.

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

SADC VSAT/2

	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

2.2 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.

2.3 It should also be noted that the availability proposed in the "Guidelines on Performance for VSAT network" (Appendix L to Report of SPAFIRAN/08) of 99.8% is also met by both networks.

3. CONCLUSION

3.1 The meeting is invited to:

1)   Note the information provided in this paper; and
2)   Take this information into account during discussions.

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