



INTERNATIONAL CIVIL AVIATION ORGANIZATION
THE 8TH NAFISAT SUPERVISORY COMMITTEE MEETING
(Mahe, Seychelles, 25- 26 March 2013)

Agenda Item 10: Any other Business: Conducting AMHS Trials

(Presented by ATNS)

SUMMARY

This working paper presents information on trials conducted between FAOR (Johannesburg) and FXMM (Maseru) using the new enhanced (Internet Protocol) IP capability of NAFISAT/SADC VSAT II networks

1 BACKGROUND

- 1.1 When NAFISAT was developed X.25 was recommended by ICAO for ATN applications. The initial IP capability of the NAFISAT was limited and only used for operation of the network management system. Because of the demand created by new IP based applications for aviation, the spectrum that was initially allocated to X.25 has now been converted for IP based ATN applications, such as AMHS.

2 DISCUSSION

- 2.1 On 20 February 2013 ATNS has conducted AMHS trials between FAOR (Johannesburg) and FXMM (Maseru) using the SADC VSAT II network.
- 2.2 Ten (10) AMHS messages with attachments ranging from 500KB to 11MB were transmitted successfully.
- 2.3 The trials were conducted to illustrate the enhanced capability of the SADC VSAT II and NAFISAT networks to support applications based on IP.
- 2.3 Further tests will have to be conducted by ATNS before approving the NAFISAT network for operational use of ATN applications. States will be kept informed of further developments in this regard.

3 SUGGESTED ACTION TO BE TAKEN BY THE MEETING

- 3.1.1 The Meeting is requested to take note of the development of the NAFISAT network to support ATN services.
