



**THE EIGHTH NAFISAT SUPERVISORY COMMITTEE MEETING
MAHE, SEYCHELLES, 25-26 MARCH 2013**

Agenda Item 7: Matters Arising from Previous Meeting and APIRG/18 Meeting

**7.3 Implementation of APIRG/18 Conclusions and Recommendations of relevance to
NAFISAT Network**

Upgrade of the NAFISAT Network

(Presented by ATNS)

SUMMARY
<p>This working paper presents ATNS proposal for the upgrade of the NAFISAT network for 7-year operation.</p>
<p>References:</p> <ul style="list-style-type: none"> • NAFISAT Memorandum of Understanding • APIRG/18 Meeting Report

1. INTRODUCTION

The proposed upgrade of the NAFISAT network is informed by an understanding of the market development in the VSAT technology space, ICAO endorsed Best Practices for VSAT Networks, and guided by the ICAO ASBU concept for aviation. It is aimed at addressing the prevailing and future air navigation requirements in the medium to long term.

2. DISCUSSION

The upgrade will re-use some of the existing infrastructure and enhance the network by:

- a) Addressing the identified issues of equipment obsolescence to ensure risk-free continuation of services post 2015.
- b) The transition strategy when replacing the Frame relay Access Devices (FADs) will involve implementing a parallel network which can set to work and commissioned without service interruption. To achieve this objective, this strategy will require the deployment of new satellite modems (IDU7000) in parallel to the existing IDU5000.
- c) With the proposed transition strategy additional advantages will be gained by the NAFISAT network. For example, support for legacy protocols can continue, support for new and future ATN services and requirements etc.

3. CONCLUSION

- a) The NAFISAT Supervisory Committee to agree that the Network Provider will proceed with the proposal for continued operation and management of the network beyond 2015 for a further 7 years.
- b) The NAFISAT Supervisory Committee to agree that the Network Provider will implement the upgrade of the network as presented to the meeting.