



INTERNATIONAL CIVIL AVIATION ORGANIZATION
NINTH MEETING OF THE NAFISAT SUPERVISORY COMMITTEE
(NAIROBI, KENYA, 18-20 MARCH 2014)

Agenda Item 8 c) iii: VSAT Earth Station Registration

(Presented by ATNS)

SUMMARY

VSAT earth stations in the NAFISAT network provide safety-of-life services. This working paper requests States to ensure that the NAFISAT VSAT earth stations are registered with their national communication authorities

1 BACKGROUND

1.1 Fixed satellite services (FSS) C-band operates in a non-aeronautical frequency band and as a result, it is not protected to the same level as the safety of life services, although remote sites connected to the VSAT network offer the aviation industry with the safety of life services.

2 DISCUSSION

2.1 It is important that VSAT frequency assignments that may have international implications in each NAFISAT member state be registered with their national communications authorities.

2.2 C-Band frequencies are used by satellite - 6 GHz (5.850 - 6.425 GHz) for transmissions to the satellite (uplink) and 4 GHz (3.625 – 4.2 GHz) for transmission from the satellite to the receiving dish (downlink).

2.3 Although it is the responsibility of each NAFISAT member state to register the VSAT frequencies, a preliminary investigation by ATNS has indicated that very few services are registered.

2.4 The process of notification of these C-band frequencies by each national communication authority to the ITU is a process that includes completion of the coordination data, providing the coordination information to administrations whose territory falls within the coordination area, consultation between the administrations, conclusion of the coordination agreement, etc.

2.5 As part of the network upgrade ATNS will assist member states with the technical information required to ensure the successful registration of the VSAT earth stations, as a first step in the protection of safety-of-life services provided by NAFISAT network.

3 SUGGESTED ACTION TO BE TAKEN BY THE MEETING

It is proposed that the following actions be taken by the Meeting:

3.1 Take note of the information provided.

3.2 Urge States to ensure that the VSAT earth stations are registered with their national Communication Authority.

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