



International Civil Aviation Organization

**Fifth Meeting of Aeronautical Telecommunication Network (ATN)
Transition Task Force of APANPIRG**

Phuket, Thailand, 9 – 13 June 2003

Agenda Item 8: Review the status of implementation of AFTN circuits, evaluate circuit capacity and consider timescale for transition to ATN

REVIEW GROUND-GROUND CIRCUITS IMPROVEMENT

SUMMARY

This paper highlights the improvements or upgrading have been made by States to implement AFS plan.

(Presented by the Secretariat)

1. Introduction

1.1 Several AFTN circuits were upgraded in accordance with AFTN Plan, some of which are in accordance with Table CNS 1B of the FASID and are required for the first phase of transition to ATN as indicated in the ASIA/PAC ATN transition plan.

2. Discussion

2.1 The main highlights of the AFTN improvements made during the year 2002 and early 2003 are as follows:

2.1.1 Circuits:

- The Apia-Faleolo/USA 2400 bps AFTN circuit with X.25 protocol was implemented using a router provided at Pago Pago, American Samoa;
- Singapore/Tokyo AFTN circuit was successfully upgraded from 50 baud to 9600 bps using X.25 protocol on 15 January 2003;
- Colombo/Mumbai AFTN circuit was successfully upgraded from 50 baud to 64 Kbps in March 2003;
- A 64 Kbps circuit was implemented in March 2003 for AFS between Chennai/Kuala Lumpur on which voice and data service are provided by using compatible 64 Kbps multiplexer (MUX) at each end. Motorola Vanguard 320 MUX equipment are used;

- Kolkata/Mumbai AFTN circuit was upgraded from 9600 bps to 64 Kbps in March 2003;
- Colombo/Singapore AFTN circuit was successfully upgraded to 9600 bps with X.25 protocol on 12 May 2003;
- Christchurch - USA 9600 bps AFTN circuit using X.25 protocol was implemented on 15 May 2003
- Christchurch/Tongatapu AFTN circuit was implemented using 2400 bps.

3. Action by the Meeting

3.1 The meeting is invited to note the improvements made on ground-ground communication circuits.
