



International Civil Aviation Organization

## ATN Seminar and Third ATN Transition Task Force Meeting

Singapore, 26-30 March 2001

### Agenda Item 6: Review Status of Implementation of AFTN Circuit and Evaluate Circuit Capacity.

#### REVIEW OF AFTN CIRCUITS CAPACITY

(Presented by the Secretariat)

##### SUMMARY

This paper presents performance status of some AFTN circuits for review by the meeting.

#### 1. Introduction

- 1.1 The AFTN circuit loading statistics are regularly reviewed and analysed by ATN Transition Task Force meetings. Recommendations are made to upgrade circuits, in a timely manner, based on the evaluation of circuit loading statistics and APANPIRG Conclusions.

#### 2. Discussion

- 2.1 The need to upgrade remaining six AFTN circuits identified in Conclusion 10/10 of ASIA/PAC/3 RAN meeting and Conclusions 4/22 and 5/14 of APANPIRG was further endorsed by the COM/MET/NAV/SUR SG/4 meeting based on review of the AFTN circuit loading statistics as follows:

1. Mumbai/Colombo
2. Colombo/Singapore
3. Jakarta/Singapore
4. \* Bangkok/Kuala Lumpur
5. \* Bangkok/Dhaka
6. Christchurch/Tahiti-papeete

\* Already upgraded

- 2.2 The need to upgrade all of the circuits list in para 2.1 above has been specified in Table CNS-1 of the proposed FASID.

- 2.3 It was noted that the review of the circuit loading statistics also indicated the need to closely monitor loading conditions on some other circuits. The APANPIRG/10 meeting held in September 1999 recognized the need to plan upgrading of some circuits and adopted the following Conclusion.

**Conclusion 10/12 - Need to monitor AFTN circuit loading**

That, States concerned closely monitor loading conditions on the following AFTN circuits and provide the results of monitoring and plans for upgrading of the circuits to ICAO.

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|------------------------|-------------------------|
| 1. Manila/Singapore    | 4. Hong Kong/Manila     |
| 2. Nandi/Apia-Falecolo | 5. Kuala Lumpur/Chennai |
| 3. *Nandi/Noumea       |                         |

\*Already upgraded

- 2.4 There are no outstanding Conclusions of APANPIRG relating to implementation of AFTN circuits. However, States are required to take appropriate action to upgrade circuits identified in paragraphs 2.1 and 2.3 above.
- 2.5 The VSAT link between Kunming and Yangon had been out of order due to technical and other problems at Yangon site. States concerned were urged to take urgent actions to implement the AFTN circuit between Kunming and Yangon by APANPIRG/11 meeting. The meeting is expected to review the current status.
- 2.6 It should be noted that in the List of Shortcomings and Deficiencies developed by APANPIRG/11, the need to upgrade the existing Calcutta/Dhaka HF RTT circuit to LTT operation by the end of 2000 had been identified. It should also be noted that COM/MET/NAV/SUR SG/4 suggested that change in routing of messages between Calcutta and Dhaka could be made via Calcutta/Mumbai/Bangkok/Dhaka, as an interim arrangement, in the even of any delay in upgrading the Calcutta/Dhaka HF RTT circuit.
- 2.7 The performance status of the following AFTN circuits are also required to be reviewed by this meeting:
1. Tokyo/Singapore
  2. Hong Kong/Ho Chi Minh
  3. Colombo/Mali
  4. Mumbai/Nairobi
- 2.8 The meeting is also expected to review implementation of the following circuits:
1. Brisbane/Santiago
  2. Mumbai/Paro
- 2.9 The meeting may wish to note that a new requirement for the Hong Kong/Sanya AFTN circuit has been established by the South China Sea ATS Route Structure Task Force. The circuit is expected to be implemented by the end of September 2001.

3. **Action by the Meeting**

3.1 The meeting is expected to:

- a) review the circuit performance and circuit loading statistics of concerned AFTN circuits; and
- b) make appropriate recommendation and update the information in Table CNS1A , as required.

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