



International Civil Aviation Organization

**THE SEVENTH MEETING OF AERONAUTICAL
TELECOMMUNICATION NETWORK (ATN)
TRANSITION TASK FORCE OF APANPIRG**

Shanghai, China, 18-22 April 2005.



Agenda Item 9: Review the Subject/Tasks List of the ATN Transition Task Force, identify future work and develop ground- to- ground ATN implementation strategy.

**TERMS OF REFERENCE (TOR) AND SUBJECT/TASKS LIST
OF THE ATN TRANSITION TASK FORCE**

(Presented by the Secretariat)

SUMMARY

This paper presents the TOR and the Subject/Tasks List of the ATN Transition Task Force for review.

1. INTRODUCTION

1.1 The Fifteenth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/15) held in Bangkok from 23 to 27 August 2004 reviewed the work carried out by the Sixth Meeting of the Task Force held in Bali, Indonesia from 26 to 30 April 2004 and adopted the draft Conclusions and draft Decisions formulated by the Task Force and endorsed by the CNS/MET SG/8 Meeting held in July 2004.

1.2 The Terms of Reference (TOR) and Subject/Tasks List of the ATN Transition Task Force approved by APANPIRG/15 are provided in Attachment 1 for review.

2. DISCUSSIONS

2.1 The APANPIRG/15 reviewed the Subject/Tasks List of the ATN Transition Task Force taking into account the relevant items of the Key Priorities in the CNS/ATM Implementation.

2.2 APANPIRG/15 identified a need to:

- a) develop ATN AMHS performance characteristics to assist States in the development of required specification of equipment and
- b) establish a sunset date of AFTN to be reflected in Pat IV, CNS of ASIA/PAC FASID.

2.3 The meeting therefore decided in its Decision 15/22 that the Task Force undertake these tasks.

2.4 The Key Priorities for the CNS/ATM Implementation in the ASIA/PAC Region approved by APANPIRG/15 in the AFS/ATN fields are provided in the following paragraphs.

a) ATN Implementation

Implementation of ground-to-ground ATN is required.

Milestone:	2005
Sub-Group:	CNS/MET ATN Transition Task Force
Status:	Implementation plan to be complete and implementation to commence in 2005

b) Data Link Communications

i) Implementation of CPDLC.

Target date:	on going February 2004-CPDLC Operational Trial in Bay of Bengal area
Sub Groups:	All
Status:	Sub Groups to review progress of implementation.

ii) AIDC to be introduced where ATS automation are implemented.

Target date:	2005
Sub Groups:	All
Status:	Implementation focus and timetable need to be developed.

2.5 The target date of completion of various items were reviewed and updated.

2.6 Taking into account of the foregoing, APANPIRG/15, in its Decision 15/16, adopted the Subject /Tasks List of the ATN Transition Task Force.

3. ACTION BY THE MEETING

3.1 The meeting is expected to review its TOR, Subject/Tasks List taking into account the above Key Priorities adopted by APANPIRG/15 and ascertain if all the tasks assigned have been completed.

TITLE AND TERMS OF REFERENCE

TITLE: **ATN Transition Task Force**

TERMS OF REFERENCE:

Plan for implementation of the Aeronautical Telecommunication Network (ATN) in the ASIA/PAC region to meet performance and capacity requirements of CNS/ATM Systems. The planning also addresses the ongoing development of the AFS including digital speech communication.

SUBJECT/TASKS LIST OF THE ATN TRANSITION TASK FORCE

No.	Ref.	Task	Priority	Action Proposed/In Progress	Target
1	RAN/3 C 10/12 C 10/11d	Subject: ATN Transition Guidance Material. Task: Develop Regional ATN Transition Guidance Material.		1) Development of detailed guidance material.	Completed
2	RAN/3 C 10/11d	Subject: ATN Transition Plan Task: Develop an ATN Transition Plan to provide seamless transition to ATN.		1) Develop Ground Transition Plan taking into account Air-to-Ground aspects. 2) Develop a set of planning documents covering: i) ATN Regional Routing Architecture ii) ATN Naming and Addressing Conventions, and iii) Documentation of the Assigned ATN Names and Addresses.	Completed
3		Subject: ATN major elements. Task: Provide performance and functional requirements of ATN.	A	1) Develop ATN Technical Documents. --Security System integrity - Performance - System Management	~~2004~~ (2005 Monitor development in ACP) ~~2004~~ 2005 ~~2004~~ Completed
4	RAN/3 C 10/11b	Subject: AFTN related issues Task: Review operation of AFTN.	B	1) Evaluate and review the effect of increases or decreases in capacity and network changes, on circuit loading. 2) Plan network changes for support of OPMET and AIS databases, automated VOLMET broadcast.	On-going Completed

Attachment to ATNTTF/7 -WP/5

No.	Ref.	Task	Priority	Action Proposed/In Progress	Target
5		Subject: Planning and implementation information in ANP. Task: Develop G/G part of the CNS FASID.	A	Development of detail description for the existing tables and Charts for the G/G part of the CNS FASID.	
				1) Table CNS 1B – ATN Router Plan 2) Table CNS 1C – ATS MHS 3) Table CNS 1D – AIDC Routing Plan	Completed ~~2004~~ Completed 2005
6		Subject: ATN Documentation Task: Development of ATN Routing Documentations and ICDs.	A	Development of ATN Documents: 1) A Router ICD 2) A Routing policy for IDRP 3) A Routing policy for MTA 4) Directory of Service 5) An AMHS ICD 6) An AIDC ICD	Completed Completed ~~2004~~ 2005 ~~2004~~ 2005 Completed ~~2004~~ 2005
7		Subject: Use of the public Internet Task: Develop guidance material for the use of the public internet technology to support AFTN, where required.	A	Study the possibility of using the public Internet and develop guidance material for its use to support low speed AFTN stations, as an interim measure, with particular emphasis on security and reliability.	Completed
8		Subject: Use of IP Task: Develop guidance material for the use of IP as a Sub-Network for ATN	B	In accordance with the work being performed by ACP, develop guidance material for the support of IP as a Sub-Network of the ATN, with particular emphasis on system compatibility between adjacent centers and security.	(2005 Monitor development in ACP)

Attachment to ATNNTTF/7-WP/5

No.	Ref.	Task	Priority	Action Proposed/In Progress	Target
9		Subject: AMHS Naming Registration Task: Develop registration forms for assigning AMHS address for the region	A	To develop an AMHS Naming Registration Planning Document for registering the AMHS naming conventions and assignments to be used within the region. To develop procedures for completing the Form.	~~2004~~ Completed 2005 (Monitor development in ACP)
10		Subject: AFTN/AMHS Transitional/Operational Procedures Tasks: Revise and develop transitional/operational procedures applicable to the use of the AMHS.	A	To review existing AFTN transitional/operational procedures and develop a new transitional and operational procedures applicable to the operation and use of the AMHS.	~~2004~~ 2005 (Monitor development in ACP)