



International Civil Aviation Organization

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

Phuket, Thailand, 9-12 June 2003

Agenda Item 10: Review the Subject/Tasks List of the ATN Transition Task Force and develop future work of the Task Force.

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

SUMMARY

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

(Presented by the Secretariat)

1. Introduction

1.1 The Thirteenth Meeting of the APANPIRG held in Bangkok from 9 to 13 September 2002 in its Decision 13/17 approved the proposal made by the Fourth Meeting of the ATN Transition Task Force and endorsed by the Sixth Meeting of the CNS/MET Sub Group to add Tasks 7 and 8 to the Subject Task List for the development of guidance materials relating to the use of Public Internet to support low speed AFTN and to develop guidance material for Internet Protocol (IP) as a sub network of ATN.

1.2 The TOR and Subject/Tasks List of the ATN Transition Task Force approved by APANPIRG/13 are provided in Attachment 1 for review.

1.3 The Key Priorities for the CNS/ATM Implementation in the ASIA/PAC Region approved by APANPIRG/13 in the AFS/ATN fields are also provided in the following paragraphs for review.

2. Discussions

2.1 The APANPIRG/13 reviewed a number of key priorities for CNS/ATM implementation and updated the list of priority areas. It may be recalled that the APANPIRG/9 in its Decision 9/40 had agreed to incorporate the priority area into the work programme of Sub-Groups concerned. The APANPIRG/11 also recognized that, where possible, items entered as Key Priorities should have definitive target dates and avoid the use of the term “on going”. It was

further recognized that the target dates should be realistic. The Key Priorities adopted by APNPIRG/13 in the ATN/AFS fields, which are of concern to this Task Force are as follows:

a) **ATN Transition**

The development of ATN Transition Plan is required.

Milestone: 2001
 Sub-Group: CNS/MET
 ATN Transition Task Force
 Status: Completed development of the Plan

b) **Incorporation of CNS/ATM Material into Basic ANP/FASID**

To reflect regional agreement for the implementation of CNS/ATM facilities and services and the determination of priorities for financing.

Target date: completed
 Sub-Groups: All
 Status: completed
 Fourth ATN Transition Task Force reviewed and endorsed the materials developed by the ANP/FASID Review Working Group established by the CNS/MET SG/5 for inclusion in the FASID. Subsequently, APANPIRG/13 in its Conclusion 13/22 endorsed the proposal for inclusion of the CNS/ATM related materials in the in the CNS Part IV of the Basic ANP and FASID in accordance with the established procedure.

c) **Data Link Communications**

i) Implementation of CPDLC (with HF and/or SATCOM back- up) in the oceanic and remote airspaces.

Target date: 2002
 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: Sub Groups to review progress of implementation.

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/13 and propose changes to the TOR and Tasks List, as required.

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 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. | A | 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 - Performance - System Management | 2003 2003 2003 |
| 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 2003 |
| 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 2002 2003 2002 2003 |

| No. | Ref. | Task | Priority | Action Proposed/In Progress | Target |
|-----|------|---|----------|---|--|
| 6 | | <p>Subject: ATN Documentation</p> <p>Task: Development of ATN Routing Documentations and ICDs.</p> | A | <p>Development of ATN Documents:</p> <ol style="list-style-type: none"> 1) A Router ICD 2) A Routing Policies (IDRP/MTA) 3) Directory of Service 4) An AMHS ICD 5) An AIDC ICD | <p>2003</p> <p>2003</p> <p>2003</p> <p>Completed</p> <p>2004</p> |
| 7 | | <p>Subject: Use of the public Internet</p> <p>Task: Develop guidance material for the use of the public internet technology to support AFTN, where required</p> | A | <p>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.</p> | 2003 |
| 8 | | <p>Subject: Use of IP</p> <p>Task: Develop guidance material for the use of IP as a Sub-Network for ATN</p> | B | <p>In accordance with the work being performed by ATNP, 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</p> | 2005 |