International Civil Aviation Organisation

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

Phuket, Thailand, 9 – 13 June 2003

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

PROPOSAL FOR FUTURE WORK

(Presented by the Rapporteur of the ATNTTF Ad Hoc Working Group)

SUMMARY

This Working Paper presents a summary of future work that is proposed for the ATNTTF Ad Hoc Working Group. The work on planning and implementation documents has progressed to a point that additional issues have been identified that need to be addressed.

1   Introduction

The purpose of this document is to provide an overview of areas for future work by the ATNTTF Ad Hoc Working Group in its effort to further the implementation planning of the ATN AMHS. At the Sixth Meeting of ATNTTF Ad Hoc Working Group it was suggested that these work items be started at the conclusion of this ATNTTF meeting.

2   Background

The work of the ATNTTF Ad Hoc Working Group has progressed with the completion of a set of planning and implementation documents. In particular, the Ad Hoc Working Group has completed work on the ATN infrastructure, naming and addressing plans, AMHS ICD, and BIS router ICD. Work is continuing on AMHS message routing policy, use of directory services, and other planning documents.

Based on the Regional planning, implementations of the ATN are about to begin with a target date of 2005 for an initial capability. To plan for the initial implementation, a small set of new work items have been identified.

3   Discussion

3.1   AMHS Naming Registration

The Ad Hoc Working Group has completed a planning document for the registration of NSAP addresses by States.   The registration document will be critical for the implementation and configuration of systems throughout the Region.

Likewise, States are permitted to apply several different algorithms in the conversion of AFTN user addresses to AMHS addresses as well as in assigning AMHS addresses to users not part of AFTN. It is important that all AMHS systems and States accessing these systems to know the assignment algorithm. For that reason, it appears appropriate to develop a planning document registering the AMHS naming conventions and assignments used within the Region.

3.2   AFTN/AMHS Operational Procedures

As the Region moves towards implementing the ATN and AMHS, procedures will need to be developed for handling unusual conditions. It would be possible for each pair of States to develop their own procedures to handle these conditions. However since AMHS messages may be relayed amongst more than the source and destination States, it would be appropriate to develop Regional procedures that provide a level of consistency.

Some conditions that need to be addressed:
- maximum queuing time of messages
- error codes on delivery failure
- alternate routing/delivery procedures
- AFTN/AMHS gateway error procedures
- Use of AFTN for AMHS back-up.

4   Action by the Meeting

The meeting is requested to consider these new work items and task the Ad Hoc Working Group to undertake these efforts.