



International Civil Aviation Organization

**THE EIGHTH MEETING OF AERONAUTICAL
TELECOMMUNICATION NETWORK (ATN)
IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ATNICG/8)**

Jakarta, Indonesia, 18 - 21 March 2013



Ministry Of Transportation
Republic of Indonesia

Agenda Item: Review States' ATN/AMHS Implementation Status, Transition and Operational Issues

ATN/AMHS IMPLEMENTATION STATUS

(Presented by New Zealand)

SUMMARY

This information paper gives details of the ATN/AMHS Implementation status of New Zealand.

1. ATN/AMHS Implementation

1.1 New Zealand has replaced its AFTN system with an AFTN/AMHS system. A contract for the procurement of an AMHS capable system was signed with Comsoft in June 2011. For a detailed timeline of the procurement of the AMHS system please see Attachment 1A.

1.2 Initial operational commissioning of the system in AFTN mode took place in March 2012. AFTN circuits were switched across from the old AFTN system to the replacement system in a phased manner with the old AFTN system being decommissioned in August 2012.

1.3 Initially only a small number of User Agents (UAs) have been commissioned in AMHS mode for testing and training purposes. Operational deployment of IP-based UAs (firstly in AFTN mode and then in AMHS mode) will occur in a phased manner with final completion expected in 2014.

1.4 New Zealand would like to schedule the transition of its international connections to Australia and the USA, from AFTN X.25 connections to IP-based AMHS connections, for completion by the end of Q2 in 2014. This will depend on bilateral agreements being reached, following planning discussions with these States. A significant factor in this will be the outcome of the recommendation tabled at this meeting for the Asia Pacific Region to establish its own Telecommunications Network (an 'Asia-Pacific VPN') and the consideration of the associated proposal to implement the 'Asia Pacific VPN' using a Multi-Protocol Label Switching (MPLS) Network.

1.5 The IP-based AFTN user terminal in Tonga (which uses a VSAT link) is expected to be replaced with a UA in 2013. Deployment of UAs to Samoa, the Cook Islands and Niue will depend on the availability of suitable IP-based links to these States. Initiatives are underway with a view to supplying VSAT connections to a number of States in the South Pacific including those mentioned above which will support IP-based AFTN/AMHS communications in addition to other ATM-related communications.

1.6 The existing connection to French Polynesia will remain as an AFTN link, until such time as French Polynesia decides to replace its AFTN system with an AMHS system.

ATTACHMENT 1A

ATN/AMHS IMPLEMENTATION – PLANNED SCHEDULE

- Contract signed – 21 June 2011.
- CDR (Design Review) – July 2011.
- FAT (Factory Acceptance Testing) – 12-16 September 2011.
- Installation at Site – October 2011.
- Vendor supplied on Site training – October/November 2011.
- SAT (Site Acceptance Testing) – 5-9 December 2011.
- System Stability Testing – 19-26 January 2012.
- Training:
 - Pre-FAT: August/September 2011.
 - On-Site vendor supplied training: October/November 2011.
 - Internal technical and operational training January/February 2012.
- Initial Operational Commissioning (AFTN Mode) – 13 March 2012.
- All AFTN circuits switched to the new AMHS/AFTN system and the old AFTN system decommissioned – August 2012.
- Circuit Test schedule (AMHS Links to Australia and USA)
Bilateral agreement signed with the reciprocal – TBD.
- Transition AFTN/AMHS – TBD by bilateral negotiation/agreement..
- Setting up of AMHS UAs:
 - A small number of UAs were deployed for testing and training in January 2012.
 - Phased deployment of the remaining UAs in 2013/14.
- AMHS transition – To be completed by the end of 2014.
