



*International Civil Aviation Organization*

**THE SIXTH MEETING OF AERONAUTICAL  
TELECOMMUNICATION NETWORK (ATN)  
IMPLEMENTATION CO-ORDINATION GROUP  
OF APANPIRG (ATNICG/6)**



Seoul, Republic of Korea, 16 - 20 May 2011

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**Agenda Item 4:                   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.       INTRODUCTION**

1.1               New Zealand is in the process of replacing its AFTN system with an AMHS system. A preferred supplier has been selected, following a tender evaluation process. A contract is expected to be signed by the end of May 2011.

1.2               Initial operational commissioning of the system in AFTN mode is expected by the end of 2011.

1.3               Initially only a small number of User Agents (UAs) will be commissioned in AMHS mode for testing and training purposes. Operational deployment of UAs (firstly in AFTN mode and then in AMHS mode) will occur in a phased manner with final completion expected in 2013.

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 2012. This will depend on bilateral agreements being reached, following planning discussions with these States.

1.5               The IP-based AFTN user terminal in Tonga (which uses a VSAT link) is expected to be replaced with a UA in 2012.

Deployment of UAs to Samoa, the Cook Islands and Niue will depend on the availability of suitable IP-based links to these States.

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 signing – May 2011.
- CDR (Design Review) – June 2011.
- FAT (Factory Acceptance Testing) – August 2011.
- Installation at Site – October 2011.
- SAT (Site Acceptance Testing) – November 2011.
- Training:
  - Pre-FAT: August 2011.
  - On-Site: October to December 2011.
- Initial Operational Commissioning (AFTN Mode) – December 2011.
- Test schedule (AMHS Links to Australia and USA) – TBD.
- Transition AFTN/AMHS – TBD by bilateral negotiation/agreement.
- Setting up of AMHS UAs:
  - A small number of UAs to be deployed for testing and training in December 2011.
  - Phased deployment of the remaining UAs in 2012/13.
- AMHS transition – To be completed by the end of 2013.

**ATTACHMENT 2**

**ATN/AMHS IMPLEMENTATION STATUS**

**Name of the State:** New Zealand

**Name of the ATN/AMHS Station:** Christchurch

**Physical Implementation status:**

- 1) Date of completion of physical implementation (if implementation completed): TBD

Status of operational connectivity:

Reciprocal End Station	Media available on	MoU signed on	Testing completed on			Commissioning of operation on
			Physical Connection	Router Connection Test	MTA Interoperability Test	
Brisbane, Australia	TBD*	TBD*	TBD*	TBD*	TBD*	TBD*
Salt Lake, USA	TBD*	TBD*	TBD*	TBD*	TBD*	TBD*

\* TBD: To Be Determined by bilateral agreement with the State concerned.

**Note:**

New Zealand would like to have IP-based AMHS links operational to both Australia and the USA by the end of 2012, but this will depend on schedules being agreed on with these States.

2) Tentative date of completion of physical implementation:

Initial Operational Commissioning in AFTN mode – Dec 2011

Physical implementation of AMHS connectivity (MTA-MTA) with Australia and the USA is only anticipated by the end of 2012.

<b>Procurement Status</b>	<b>Date/Tentative Date</b>
Signing of contract	May 2011
Completion of Factory Acceptance Test	Aug 2011
Physical installation of system	Oct 2011
Site acceptance testing	Nov 2011
Training	Oct – Dec 2011
Availability of media (for the first circuit)	Nov 2011*
Completion of testing (for the first circuit)	Dec 2011*
Commissioning of operation (for the first circuit)	Dec 2011*

\* AFTN connections initially, other than one or two UAs.

3) Sub-net level protocol

If your State is using IP for

- 1) AFTN connectivity  (some circuits IP-based and others X.25)
- 2) AMHS connectivity 
  - a. MTA/MTA
  - b. MTA/UA

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