AIRSERVICES AUSTRALIA

Australian AMHS

Airservices' AMHS Implementation Status

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Technical Authority, AIS

Planning & Integration, TAS

Achievements to Date:

1. **2007 - Australian Aeronautical Messaging System (AAMS) commissioned**
   - Comsoft AIDA-NG MTA, CADAS UA, AFTN/AMHS Gateway, ATN routers
   - AMHS capable, but only used operationally for AFTN to date
2. **2008 - All internal Airservices AFTN users (ATC, Towers etc.) transferred to Comsoft Aeronautical Data Access System (CADAS)**
3. **2009 - Domestic AFTN users (airlines, Bureau of MET, Defence etc.) and Airservices' systems transferred from asynchronous/X.25 to IP**
   - AMSA have X.400 MTA
   - No other external users/systems have announced any plans to move to AMHS
4. **2009 - Comsoft issued Airservices with a Declaration of Conformity Certificate against AMHS Conformance Testing Manual Version 1.0, Annex B**
   - Guarantee to connecting states of AAMS's Interoperability

Upcoming AMHS Implementation Activities:

1. **February 2010 – Establish IPLC with Fiji and start AMHS Interoperability testing (IOT)**

   During Fiji AMHS SAT while Comsoft on site

2. **March 2010 – AAMS Maintenance Release 3 (MR3) commissioned**

   AMC import/export, CADAS AMHS address copy/paste, automatically open binary messages

3. **Q1 2010 – Migrate AFTN to Singapore from X.25 to IP over existing IPLC (Bi-lateral agreement)**

   Will facilitate AMHS IOT on excess bandwidth of IPLC

4. **Q1 2010 - Set-up VPN with USA to progress IOT**
5. **2011 – new AMHS-enabled AIS (Mercury)**
6. **2012 - Establish IPLC with Japan for IOT**
7. **2013 – new AMHS-enabled ODS (NAIPS-NG)**

Challenges and Issues:

1. **AAMS project will be closed when MR3 is commissioned**
   - Implementation tasks are not funded
   - Engineering, operational and network staff resources are scarce
   - Business Case for migration of BBIS connections with Singapore, USA and Fiji
2. **No technical/networking OSI expertise**
   - Strong preference to use ATN over IPS
3. **No operator AMHS/AMC training**

Questions & discussion

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