



International Civil Aviation Organization

**AMHS/SWIM SEMINAR AND THE SEVENTH MEETING OF
AERONAUTICAL TELECOMMUNICATION NETWORK
(ATN) IMPLEMENTATION CO-ORDINATION GROUP OF
APANPIRG (ATNICG/7)**



Chiang Mai, Thailand, 5 – 9 March 2012

Agenda Item 3: Review States' ATN/AMHS Implementation Status, Transition and Operational Issues

ATN /AMHS IMPLEMENTATION STATUS IN CHINA

(Presented by China)

SUMMARY

This information paper provides the current ATN/AMHS implementation status in China.

1. INTRODUCTION

1.1 According to the ATN transition and implementation plan of ICAO, ATN/AMHS system has been installed in Beijing NCC (Networks Control Center) in 2008.

2. ATN/AMHS OPERATION

2.1 In July 2010, China and ROK establish a new 64Kbps circuit dedicated to ATN/AMHS test and future operation. By the end of 2010, ATN/AMHS technical tests and operational tests were successfully completed.

2.2 According to the Operation Initiation Procedure for ATN/AMHS service signed by both countries, the ATN/AMHS operation between China and ROK commenced on 1st June 2011. The ATN/OSI based AMHS service has been used to carry all message traffic between China and ROK. the original AFTN circuit is retained as a backup connection.

3. ATN/AMHS TEST

3.1 The AMHS Interoperability Pre-test between Beijing and Hong Kong was carried out in November 2011, including an ATN connection test over VPN and a MTA interoperability test. The majority of tests were completed successfully, but some problems were raised during the test. The further test is needed after both sides resolve the problems.

3.2 The AMHS interoperability test between Beijing and Mumbai was conducted in the 2nd half of 2011. Through the efforts of both parties, some major problems were resolved, however some other problems remain with regard to the message viewing in UA and DR delivery. China's system provider has been involved in to identify and resolve the problems occurred in China side.

3.3 China plan to conduct ATN connect test and AMHS interoperability test with Mongolia in June 2012, through the new landline between Beijing and Ulaanbaatar. The detailed test procedure is under discussion by the two parties.

3.4 A new high speed landline between Beijing and Khabarovsk is expected to establish in September 2012. China and Russia are discussing the initial ATN/AMHS technical test through the new connection.

3.5 The ATN/AMHS implementation status report for China is found in **Attachment 1**.

4. ACTION BY THE MEETING

4.1 The meeting is invited to note the ATN/AMHS implementation status in China.

ATTACHMENT 1 A

ATN/AMHS IMPLEMENTATION STATUS REPORT

- Contract signed – December 2007
- CDR (Design Review) completed – January 2008
- FAT (Factory Acceptance Testing) – March 2008
- Installation at Site: – April 2008
- SAT (Site Acceptance Testing) – November 2008
- Training – July 2008 – October 2008
- Test schedule
 - Hong Kong, China (Technical test over Internet) – 2006 (completed)
 - USA (Technical test over Internet) – 2006 - 2007 (completed)
 - Macau, China – 2009 (completed)
 - Republic of Korea – 2010 (completed)
 - India – 2011-2012 (on-going)
 - Hong Kong, China – 2012 (on-going)
 - Mongolia – June 2012(Plan)
 - Russia (technical test) – end of 2012 (Plan)
- AFTN/AMHS transition
 - Republic of Korea – June 2011 (completed)
- Setting up AMHS UA's – TBD
- Final Acceptance Contract Signoff – September 2009
- AMHS transition – TBD