



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

Agenda Item 4: Review States' ATN/AMHS Implementation Status, Transition and Operational Issues

ATN /AMHS IMPLEMENTATION ACTIVITY IN CHINA

(Presented by China)

SUMMARY

This information paper provides the current ATN activities of implementation of ATN/AMHS 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 IMPLEMENTATION PROGRAMME

2.1 Activities

- 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
 - Hongkong, China (Technical test over Internet)– 2006(completed)
 - U.S.A (Technical test over Internet) – 2006-2007(completed)
 - Macau, China – 2009(completed)
 - Republic of Korea – 2010(completed)
 - India – 2011(on-going)
- AFTN/AMHS transition
 - Republic of Korea – 1st half of 2011(plan)
- Setting up AMHS UA's – TBD
- Final Acceptance Contract Signoff – September, 2009
- AMHS transition – TBD

2.2 **ATN/AMHS Implementation Status**

Physical Implementation status

- 1) Date of completion of physical implementation (if implementation completed):
November, 2008

Status of operational connectivity:

(Please provide the date of completion of the following steps or the tentative dates of completion if the steps have not been completed)

Reciprocal Station	Media available on	MoU signed on	Testing completed on			Commissioning of operation on
			Physical Connection	Router Connection Test	MTA Interoperability Test	
Macau, China	Mar, 2009	Mar, 2009	Mar, 2009	Apr, 2009	Apr - May, 2009	TBD
Republic of Korea	Jun, 2010	Dec, 2008	Jun,2010	Jul,2010	Aug – Oct, 2010	Jun, 2011(Plan)
India	Apr, 2011	May, 2010	Apr, 2011	Apr, 2011	On-going	TBD

- 2) Tentative date of completion of physical implementation (if physical implementation not completed): N/A

3) Sub-net level protocol
If your State is using IP for

1) AFTN connectivity

2) AMHS connectivity

a. MTA/MTA

b. MTA/UA

2.3 Currently, China domestic AFTN is based on X.25 technology, all of AFTN switching systems are communicating via X.25 links. Only few of AFTN terminals connect to the AFTN switching system through local IP network. According to No. 27 task of ATNICG task list, China plan to study the feasibility of using IP in operational AFTN/AMHS systems.

3. ACTION REQUIRED BY THE MEETING

3.1 The meeting is invited to note the current ATN/AMHS activities in China.
