

International Civil Aviation Organization



**THE TWELFTH WORKING GROUP MEETING OF
AERONAUTICAL TELECOMMUNICATION NETWORK
(ATN) IMPLEMENTATION CO-ORDINATION GROUP OF
APANPIRG (ATNICG WG/12)**



5 – 8 August, Renton, WA, USA

Agenda Item 6: AMHS and IP Implementation Status in Asia/Pacific and other Regions

THAILAND ATN/AMHS IMPLEMENTATION ACTIVITIES

(Presented by Thailand)

SUMMARY

This paper presents information about the Thailand's ATN/AMHS Implementation Activities.

1. Introduction

1.1 AEROTHAI, Thailand completed the AMHS system implementation in July 2011. Following the Kick-off meeting with connected BBIS states, Singapore, India and Hong Kong China in 2012, AEROTHAI has performed the Inter-Operability Test (IOT) with connected BBIS states. In 2013, AEROTHAI stated two additional links, with India and Singapore, in order to perform Pre-Operational test with their systems.

1.2 In addition, in 2012, AEROTHAI has contacted a number of connected BIS states and has performed IOT with them. AEROTHAI has performed IOT with Cambodia and, unofficially, with LAO PDR.

2. ATN/AMHS IOT Summary

2.1 India: AEROTHAI has established new X.25 64 kbps link with Airport Authority of India (AAI) in June 2013 following successful IOT tests. The new link has been used for the Pre-Operational test between AEROTHAI and AAI ever since. However, due to difficulties on AEROTHAI part, the test was suspended and will resume within this month (August 2013). AAI representatives have also decided to add Stress Test for the new link and both parties are currently discussing the details. AAI has informed AEROTHAI that they would like the new link to be operational in September 2013, however, the details are being discussed and no firm date has been set yet. AEROTHAI has estimated the link to be operational within Q4 2013. The Technical Memorandum of Corporation (TMC) document is currently being evaluated by both sides in order to enable the operation of new ATN/AMHS link.

Agenda Item 6

05/08/13

2.2 Singapore: AEROTHAI has also established new X.25 64 kbps link with Civil Aviation Authority of Singapore (CAAS) in July 2013 following successful IOT tests. The new link will be used for the Pre-Operational test between AEROTHAI and CAAS. The details of the test are currently being discussed. Also with regards to the ATN/AMHS connection using new link, AEROTHAI has received reviewed TMC by CAAS counterparts. AEROTHAI has also estimated the link to be operational within Q4 2013.

2.3 Hong Kong China: AEROTHAI has performed simulated Tri-parties with AMHS system of Hong Kong China's Civil Aviation Department (CAD) using both AEROTHAI's AMHS systems (Ubitech system and AEROTHAI's developed system). The result has been satisfactory. At the present, a new link is currently being established between AEROTHAI and CAD. AEROTHAI has estimated the link to be available within 2013.

2.4 Cambodia: AEROTHAI held the ATN/AMHS Kick-off meeting with Cambodia Air Traffic Services (CATS) in April 2013. Following the meeting, AEROTHAI has performed the IOT with CATS AMHS system (Thales System) over VSAT IP link. The result has been satisfactory. AEROTHAI plans to visit CATS in September 2013 to finalize the detail of ATN/AMHS connection. AEROTHAI and CATS are currently discussing the possibility to have the new link operational within 2013.

2.5 LAO PDR: AEROTHAI has been contacted by representatives from AMHS provider of LAO PDR's LAO Air Traffic Management (LATM) in order to perform the IOT test. Afterwards, AEROTHAI's technicians and LATM's technicians performed un-official IOT between each respective AMHS system over VSAT IP link in Q2 2013. The result has been satisfactory. AEROTHAI has scheduled to have ATN/AMHS kick-off meeting with LATM in August 2013. The official IOT is scheduled in Q3 2013.

2.6 Malaysia: AEROTHAI has held a meeting with representatives from Department of Civil Aviation (DCA) Malaysia in July 2013. Afterwards the new VSAT IP link is being established in preparation for the IOT test. AEROTHAI has scheduled to visit DCA Malaysia again in September 2013. DCA Malaysia's AMHS system is from Frequentis.

2.7 Bangladesh: AEROTHAI has received contact from Bangladesh's representative to start the kick-off meeting and IOT. AEROTHAI has scheduled to visit Bangladesh in August 2013 to discuss the detail.

2.8 Beijing, China: AEROTHAI representatives have initiate contacts earlier in ATNICG meeting. AEROTHAI has scheduled to start ATN/AMHS kick-off meeting activity in Q4 2013.

2.9 Italy: AEROTHAI has contacted Italian counterpart earlier. The schedule for ATN/AMHS kick-off meeting is in 2014.

2.10 Vietnam: During ATNICG meeting, AEROTHAI representative had initiated contacts with Vietnam counterpart. The plan for the ATN/AMHS kick-off meeting activity is 2014.

2.11 Myanmar: AEROTHAI plans to initiate contact with Myanmar representative during this ATNICG WG/12 meeting.

3. ACTION BY THE MEETING

3.1 The meeting is invited to the progress of ATN/AMHS implementation activities of AEROTHAI, Thailand.
