



**International Civil Aviation Organization**

**THE EIGHTH MEETING OF AERONAUTICAL  
TELECOMMUNICATION NETWORK (ATN)  
IMPLEMENTATION CO-ORDINATION GROUP  
OF APANPIRG (ATNICG/8)**

Jakarta, Indonesia, 18 - 21 March 2013



Ministry Of Transportation  
Republic of Indonesia

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

**ATN/AMHS IMPLEMENTATION STATUS IN INDIA**

(Presented by India)

**SUMMARY**

This paper is a summary of current ATN/AMHS implementation status/operational activities/issues in India.

**1. INTRODUCTION**

1.1 India implemented the AMHS having dual stacks ATN Router in Mumbai (Inter-Regional BBIS site) in April 2008. The circuit between Mumbai and Singapore is operational since 23 March 2011. The ATN/AMHS implementation status in India is shown in the Attachment 1A below.

1.2 This paper aims at reporting the current status of ATN/AMHS implementation in India and issues involved in the smooth transition to AMHS.

**2. DISCUSSION**

2.1 Following the commencement of regular operation with Singapore, India is vigorously pursuing with other BBIS/BIS states for early AMHS implementation in line with regional and global plans for establishing AMHS network. The present status is appended below:

- ❖ **Mumbai-Beijing:** The bilateral IOT on AMHS between India (Mumbai) and China (Beijing) was successfully completed in the end of July 2012. Recently, China has communicated to commence the pre-operational trials in the last week of March 2013.

- ❖ **Mumbai-Bangkok:** Recently, Bangkok has communicated readiness to conduct IOT. However, media problem needs to be resolved before commencing testing. Both states are coordinating to resolve all the issues.
- ❖ **Mumbai-Karachi:** India and Pakistan (Karachi) has successfully completed IOT in November 2010. Both states have completed the trial operation in 30 March 2012. AMC tables are required to be updated at Pakistan end to start pre-operational trials. The issue was informed to Pakistan during the APANPIRG meeting.
- ❖ **Mumbai-Muscat:** The circuit is presently operated on AFTN over TCP/IP through AMHS gateway. Despite several reminders, response from Oman Civil Aviation Authorities is awaited. APAC office is requested to take up the issue through MID region office.
- ❖ **Status of AMHS implementation with other states:**
  - a) Both **Nepal** and **Bangladesh** has already procured COMSOFT AMHS system. However, testing plan to commence pre-operational trials have not been communicated by the states so far.
  - b) **Bhutan** and **Sri Lanka** have not yet communicated their implementation plan; and
  - c) **Kenya** as per communication received has planned their implementation in July 2013.

### 3. ACTION BY THE MEETING

- 3.1 The meeting is invited to note the information contained in the paper.

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**Attachment 1-A**

**ATN/AMHS IMPLEMENTATION STATUS IN INDIA**

- Contract Signed (Date): 16 May 2007
- Completion of Physical Installation: 14 April 2008
- Completion of Training: 18 July 2008
- Completion of Local Testing: 27 May 2008
- Circuit test schedule:
- Bilateral Agreement signed with the reciprocal end.
  - i. Singapore (BBIS) : 22 February 2011
  - ii. Beijing, China (BBIS): 17 August 2009
  - iii. India is coordinating with Thailand, Nepal and Pakistan for signing the agreement at the earliest. Readiness is expected from these states.
- Bilateral Test carried out as per the procedure prescribed(Date):
  - i. Singapore (BBIS) : 13 October 2009 (interoperability test) & 01 December 2009 (Pre-Operational tests)
  - ii. Beijing, China (BBIS): July 2012 (interoperability test completed)
  - iii. Karachi, Pakistan: 14 November 2010 (interoperability test)
- Transition AFTN/AMHS (Date/Schedule): 12 April 2010
- Setting up of AMHS UA (Date): 19 May 2008
- Final Acceptance and Contract Signoff (Date): 16 May 2008
- AMHS transition (Date/Schedule): 23 March 2011
- Remarks: AMHS operation with Singapore is successful since 23 March 2011. Regularly coordinating with remaining states for early implementation.

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