



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

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

ATN/AMHS IMPLEMENTATION STATUS

(Presented by NEPAL)

SUMMARY

This information paper gives details of the ATN/AMHS Implementation status of NEPAL.

1. INTRODUCTION

1.1 Nepal has replaced its AFTN system with an AFTN/AMHS capable system. A contract for the procurement of an AFTN/AMHS capable system was signed with Comsoft in February 14, 2012. For a detailed timeline of the procurement of the AMHS system please see **Attachment 1**.

1.2 Site Acceptance Test (SAT) and initial operational testing of the system in AFTN mode took place in October 2012.

1.3 Procured system is fully IP based with 50 UA license agreement, out of which 49 IP-based UAs deployed across the country including Tribhuvan International Airport (BIS COM center) and 10 domestic airports. Please refer ATN/AMHS implementation diagram **Attachment 2**.

2. DISCUSSION

2.1 Currently, Nepal has two international AFTN connections one with BBIS Mumbai using AFTN over IP though leased 64kbps circuit and other with Beijing using asynchronous line via VSAT which is then converted into TCP-IP in Nepal side.

2.2 Regarding Kathmandu-Beijing connection via VSAT circuit, in Beijing system's point of view, the current connection is asynchronous serial while in Kathmandu system's point of view, the current connection is TCP-IP. Though current operational AFTN connection with Beijing is working fine, Comsoft raised concern of ATN/AMHS in TCP-IP may not work in this circuit. Nepal and China

agreed to resolve connection issues through the COM Coordination meeting held in Kunming 4-7 March, 2013, China will lead the initiatives.

2.3 Leased line circuit established between Kathmandu-Mumbai has frequent interruption in recent days at telecom carrier's end and recovery response is debated by and between carriers of both end resulting delayed IOT date to be agreed.

2.4 Bilateral agreement for Inter-operability test, with China and India is progress.

3. ACTION BY THE MEETING

3.1 The meeting is invited to take note of the information provided in this paper on the latest implementation status of ATN/AMHS in NEPAL

ATTACHMENT 1

- Contract Signed (Date): 14 Feb 2012
- Completion of physical installation (Date): 5 Nov 2012
- Completion of Training (Date): 15 Oct 2012
- Completion of local testing (Date): 10 Nov 2012
- Circuit test schedule:
- *Bilateral agreement signed with the reciprocal end (Date): TBD*
- *Bilateral test carried out as per the procedure prescribed (Date): TBD*
- Transition AFTN/AMHS (Date/Schedule) *TBD*
- Setting up of AMHS UA (Date) 15 Nov 2012
- Final Acceptance and Contract Signoff (Date) Target date April 2013
- AMHS transition (Date/Schedule) *TBD*

ATTACHMENT 2

NEPAL ATN/AMSH System implementation diagram

