



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

REPORT OF AFTN/AMHS STATUS IN LAO PDR

(Presented by Lao PDR)

SUMMARY

This Information Paper serves to update the meeting on the status of the AFTN/AMHS Activities in Lao PDR.

1. INTRODUCTION

1.1 In May 2011, a new Automatic Message Switching System (AMSS) with built in AFTN/AMHS capability has been installed in Lao Air Traffic Management in Vientiane. Connections to 3 provincial facilities are under migration over full IP network.

2. STATUS AND DISCUSSIONS

2.1 Lao PDR is connected to Bangkok and Hanoi through 64 kbps VSAT Links which are not compatible with IP. Lao PDR is looking forward to discuss with neighboring states regarding new interconnection allowing IP.

2.2 Lao PDR propose to interconnect with neighboring states on a VPN over public internet for interoperability test unless the leased-lines have been installed before.

2.3 In order to go further in the implementation, Lao PDR is expecting to have information regarding the test schedule with Thailand and Vietnam whenever ready.

3. PLANNED AFTN/AMHS CONNECTIVITY TEST WITH THAILAND & VIETNAM

3.1 Lao PDR will implemented within 1-2 month redundant VPN over Public Internet to interconnect Luang Phabang, Savannakhet and Pakse airport for future AFTN/AMHS purpose.

3.2 Interoperability Test could start in 2012 or whenever the IOT schedule with Thailand and Vietnam is agreed.

3.3. The AMHS test which will be conducted in 2012 will not disrupt the AFTN data exchanges, as the messages sent to 1 operator will be sent to both AFTN terminal and associated AMHS User Agent.

4. ACTION TAKEN BY THE MEETING

The AMSS- with AMHS capability report for Lao is found in Attachment 1. The meeting is invited to note the above information.

ATTACH 1 A

AMSS- with AMHS capability

- Contract Signed (Date): 14/05/2009
- Completion of physical installation (Date): May 2011
- Completion of Training (Date):
 - Ab-initio technician training May 2011
 - Ab- initio operator training May 2011
 - Continuous training, reminder courses for technicians and operators
 - Pre- Migration training for operator: TBD
- Completion of local testing (Date):
 - Vientiane ANSP site (LATM): Part of the acceptance protocol in May 2011
 - Vientiane Regulator (DCA): link to be upgraded in Q2-Q3 2012
 - Luangphabang ANSP site (LATM): link to be upgraded in Q2-Q3 2012
 - Savannakhet ANSP site (LATM): link to be upgraded in Q2-Q3 2012
 - Pakse ANSP site (LATM): link to be upgraded in Q2-Q3 2012
- Circuit test schedule: TBD (Thailand & Vietnam)
 - o *Bilateral agreement signed with the reciprocal end* TBD
 - o *Bilateral test carried out as per the procedure prescribed* TBD
- Transition AFTN/AMHS (Date/Schedule):
 - Domestic upon link upgrade Q3 2012
 - International upon Thai/ Vietnam readiness
- Setting up of AMHS UA (Date):
 - Reconfiguration done
 - Need to finalize address table, fine tuning Target Q2 2012
- Final Acceptance and Contract Signoff (Date)
- AMHS transition (Date/Schedule): TBD with Thailand and Vietnam