



International Civil Aviation Organization

**THE FIFTH MEETING OF AERONAUTICAL
TELECOMMUNICATION NETWORK (ATN)
IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ATNICG/5)**



Kuala Lumpur, Malaysia, 31 May – 4 June 2010

Agenda Item 5: Review State's ATN/AMHS Implementation/Operational activities, issues and test results for BBIS network

SINGAPORE IMPLEMENTATION STATUS REPORT

(Presented Singapore)

SUMMARY

This information paper provides the ATN/AMHS implementation status in Singapore.

1 ATN Implementation Activities

1.1 Singapore completed its AMHS system implementation in May 2008 (with Phase I for Operational System (OPS) & Phase II for Training and Disaster Recovery System (TRG)) and a system software upgrade is planned for in the Third Quarter of 2010. The ATN/AMHS implementation status report for Singapore is found in Attachment A.

1.2 On-going inter-operability and pre-operational trials are being carried out with Indonesia and India respectively. Technical discussions were also being held with the United Kingdom on the inter-operability trial which is planned to start in September 2010.

1.3 Interconnection tests with other BIS and BBIS will be carried out on an availability basis once the neighbouring BBIS and BIS States are available for connectivity tests. These tests will include the inter-operability and pre-operational tests in the guidance document for AMHS conformance testing.

2 Action by the Meeting

2.1 The meeting is invited to note the progress for information.

SINGAPORE IMPLEMENTATION STATUS REPORT

<u>Activities</u>	<u>Status / Schedule</u>
• Contract signed	– 4 th March 2006
• CDR (Design Review) completed	– Phase I: July 2006 Phase II: September 2007
• FAT (Factory Acceptance Testing)	– Phase I: November 2006 Phase II: March 2008
• Installation at Site	– Phase I: December 2006 to March 2007 Phase II: December 2007 to February 2008
• SAT (Site Acceptance Testing)	– Phase I: April 2007 to May 2007 Phase II: March 2008 to April 2008
• Training	– Phase I: December 2006 to May 2007 Phase II: April 2008 to May 2008
• Test Schedule	
Malaysia	– 2007 (on-going)
Indonesia	– 2009 (on-going)
India	– 2009 (completed IOT, pre-ops trial on-going)
• Transition AFTN/AMHS	– End Jun 2007
• Final Acceptance Contract Signoff	– May 2008
• AMHS transition	– Tests with other BBIS/BIS will be carried out on an availability basis once States are available for connectivity tests (see Attachment B)

EXTRACT OF REGIONAL IMPLEMENTATION MATRIX TABLE

Interconnection, Connected to router of: <i>Administration</i> (<i>Location of Router</i>)	Stage	BBIS / BIS
		Singapore (Singapore)
Australia (Melbourne)	A	Q4/06
	B	TBD
	C	TBD
	D	TBD
India (Mumbai)	A	Q3/09
	B	Q4/09
	C	Q4/09
	D	Q4/10
Japan (Fukuoka)	A	TBD
	B	TBD
	C	TBD
	D	TBD
Thailand (Bangkok)	A	Q4/06
	B	Q4/10
	C	Q4/10
	D	TBD
Bahrain	A	2011
	B	2011 (IPS-based connection)
	C	2011
	D	TBD
United Kingdom	A	Q4/10
	B	Q4/10 (IPS-based connection)
	C	Q4/10
	D	TBD
Indonesia (Jakarta)	A	Q1/08
	B	Q1/09
	C	Q2/10
	D	TBD
Vietnam (Ho Chi Minh / Hanoi)	A	TBD
	B	TBD
	C	TBD
	D	TBD
Philippines (Manila)	A	2011
	B	2011
	C	2011
	D	2011
Sri Lanka (Colombo)	A	TBD
	B	TBD
	C	TBD
	D	TBD
Brunei Darussalam (Brunei)	A	TBD
	B	TBD
	C	TBD
	D	TBD
Malaysia (Kuala Lumpur)	A	Q1/2007
	B	Q1/2007
	C	Q4/2011
	D	Q4/2011