



International Civil Aviation Organization

**THE SECOND MEETING OF AERONAUTICAL COMMUNICATION
SERVICE (ACS) IMPLEMENTATION CO-ORDINATION GROUP
OF APANPIRG (ACSICG/2)**

Bangkok, Thailand, 20 - 22 May 2015

**Agenda Item 5: Review States' ATN/AMHS Implementation Status, Transition and
Operational Issue**

THE IMPLEMENTATION STATUS OF RENEWED ATN/AMHS IN JAPAN

(Presented by Japan)

SUMMARY

This paper presents the status of implementation regarding the renewal ATN/AMAS in Japan. It is scheduled that the current ATN/AMHS would be renewed and implemented at 22:30 UTC on 1st JUL 2015.

1. Introduction

1.1 This paper provides implementation schedule of Japan Civil Aviation Bureau (JCAB) for the renewal ATN/AMHS project. JCAB is now going on with the migration plan of ATN/AMHS toward the applicability of SARPs edition 3 and Dual Stack ATN Router.

1.2 A contract for procurement of the new ATN/AMHS system was signed with NEC corporation in NOV 2013. The new ATN/AMHS system was delivered into JCAB and the unit test started in MAY 2014. The inter-operability test using ATN/OSI (X.25) between the United States and Japan has been conducted since DEC last year. This test has been smoothly and successfully carried out so far.

1.3 In the near future, it is planned to carry out the connecting test of each other's local systems between Salt Lake City and Fukoka. Then, JCAB's renewed ATN/AMHS will be implemented at 22:30 UTC on 1st JUL 2015.

1.4 A detailed ATN/AMHS implementation – planed schedule in Japan is shown in the Attachment 1A below.

2. Discussion

2.1 After migration, ATN/AMHS implementation timeline in Japan is as follows :

- a) Concerning the remaining AFTN circuits between other states and Japan in Asia Pacific region, it is scheduled to by degrees change over the connection from AFTN to ATN/AMHS from 2016 onward, on the premise that to ensure the safety.

- b) JCAB is now coordinating with Hong Kong and Singapore to implement the ATN/AMHS connection in the second half of fiscal year 2017 (from OCT 2017 to MAR 2018) over CRV (Common Regional VPN) which will be introduced in Asia Pacific region in 2016.

3. Action by the Meeting

3.1 The meeting is invited to:

- a) note the information contained in this paper; and

- b) note JCAB coordinates the schedule to implement ATN/AMHS in future.

Attachment 1A

ATN/AMHS IMPLEMENTATION – PLANED SCHEDULE IN JAPAN

- Contract Signed - Nov 2013

- Completion of physical installation
 - SDECC - May 2014
 - Fukuoka ATM Center - OCT 2014

- Completion of Training
 - Fukuoka ATM Center – June 2015 (Estimated time)

- Completion of local testing
 - SDECC - Mar 2015
 - Fukuoka ATM Center - June 2015 (Estimated time)

- Circuit test schedule
 - Bilateral agreement signed with the reciprocal end
 - Coordinating for signing a reciprocal agreement between Hong kong and Japan
 - Coordinating for signing a reciprocal agreement between Singapore and Japan
 - Bilateral test carried out as per the procedure prescribed
 - Conducting circuit test between the United States and Japan

- Transition AFTN/AMHS
 - 22:30 UTC on 1st July 2015 (Upgrade the United States - Japan current ATN/AMHS circuit to SARPs edition 3)

- Setting up of AMHS UA
 - AMHS UA function will be deployed in Fukuoka ATM Center at the same time as the transition to the renewal ATN/AMHS.

- AMHS transition
 - AMHS renewed and upgraded to SARPs edition 3 - 22:30 UTC on 1st July 2015.
