



ICAO

*International Civil Aviation Organization***Seventh Meeting of Aeronautical Communication Service Implementation Co-ordination Group of APANPIRG (ACSICG/7)**

Web-conference, 21 – 23 July 2020

**Agenda Item 5:** Report on the readiness status of AMHS to support IWXXM service by November 2020

## **READINESS STATUS OF AMHS AND CRV TO SUPPORT IWXXM SERVICE**

(Presented by Singapore)

### **SUMMARY**

This information paper updates the progress/ status of Singapore's AMHS and CRV implementation to support/ test IWXXM service.

## **1. INTRODUCTION**

1.1 The exchange of ICAO Meteorological Information Exchange Model ("IWXXM") messages between States/ Administration has been adopted by ICAO for operations by end-2020.

1.2 Singapore has completed its ATS Message Handling System ("AMHS") implementation and subsequent upgrade to support and test IWXXM over AMHS in March 2011 and March 2019, respectively.

1.3 The implementation of Common aeRonautical Virtual private network ("CRV") was completed in November 2019 to facilitate IWXXM over AMHS testing with other CRV subscribers.

## **2. DISCUSSION**

2.1 The AMHS upgrade in March 2019 allows/ supports File Transfer Body Part ("FTBP") and Interpersonal Message ("IPM") Heading Extension ("IHE") for the exchange of IWXXM messages. Each AMHS message (including FTBP) of up to 4MB is permitted, to meet IWXXM guidelines.

2.2 The CRV connections facilitate the IWXXM testing with other CRV subscribers without the need to subscribe additional point-to-point links. Singapore has subscribed two CRV package 'A' connections, and one of them was setup to support the AMHS/ IWXXM over AMHS testing using the CRV.

2.3 Singapore has started AMHS/ FTBP over CRV testing with Japan since December 2019 and testing is still on-going. AMHS over CRV testing with Australia and the Philippines are planned in Q3 2020. Singapore is also arranging inter-regional IWXXM over AMHS testing with United Kingdom. Some tests had to rescheduled due to the ongoing COVID-19 situation.

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2.4 To meet the end-2020 deadline to transit to IWXXM exchange between States/ Administrations, it is recommended that more tests are conducted for this transition.

2.5 Singapore is open to AMHS/ IWXXM over AMHS testing using CRV with interested States/ Administrations.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate

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