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**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 Republic of Korea)

SUMMARY

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

1. INTRODUCTION

1.1 Korea Aviation and Meteorological Administration is developing IWXXM and recently upgraded from V.2.1.1 to V.3. The IWXXM test server is connected to the swim test server.

1.2 The Republic of Korea is working on an AMHS system upgrade to support the IWXXM service, and the AMHS upgrade will be complete at the end of 2022.

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 members.

2. DISCUSSION

2.1 Korea Airports Corporation (KAC) started the installation of ATN/AMHS in 2008 and the ATN/AMHS has been in operation between ROK and China in basic version since 2010.

Now, KAC is in the process of improving the extended version AMHS system to support the IWXXM service, and the improvement project (upgrade) will be completed by December 2022.

2.2 When the AMHS improvement project (upgrade) is completed, it allows and supports the extension of the 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 will be permitted to meet IWXXM guidelines.

2.3 For IWXXM service using AMHS, the AMHS server interface test period is required. Once the installation of the AMHS with extended version is complete, we will complete the interface and test between the AMHS-IWXXM servers as soon as possible.

After the complete the interface test in the nation, Korean new AMHS are also required the connection test with China and Japan, and we believe that there will be active cooperation with Chinese and Japanese authorities.

2.4 Test between the new AMHS (Extended Version) and the IWXXM server will be completed and IWXXM service will be started within 2023. In accordance with the mandatory timeline, the IWXXM service with the nations through AMHS will be expected to take effect in 2024.

2.5 The Republic of Korea has completed the contract CRV service Package A with PCCWG, and there is a plan of the Korea-Japan CRV/AMHS test with Japanese good cooperation in the 4Q of 2020 with the Basic version.

Korea and China were supposed to do the CRV/AMHS test in the 2Q of 2020, but it is delayed due to the COVID-19 pandemic. Therefore, we expect to re-discuss the CRV/AMHS transition schedule between Korea and China, then conduct test as soon as possible.

2.6 The Republic of Korea is endeavoring to provide IWXXM service as soon as possible.

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 matter as appropriate
