

International Civil Aviation Organization

ICAO

Eighth Meeting of Aeronautical Communication Service Implementation Co-ordination Group of APANPIRG (ACSICG/8)

Video Tele-Conference, 21 – 23 June 2021

- Agenda Item 5:** Review and update the AMHS/ATN Implementation Status
- 5.1 Update status of AMHS implementation
 - 5.2 Report on the readiness status of AMHS to support IWXXM

NEW AMHS SYSTEM UPGRADE AND IWXXM READINESS TO SUPPORT IWXXM DATA IN KOREA

(Presented by Republic of Korea)

SUMMARY

This paper presents the current status of a new AMHS system upgrade in Republic of Korea to exchange the IWXXM data.

1. INTRODUCTION

1.1 Republic Korea has started a project to upgrade AMHS system to support the exchange of IWXXM over CRV. The New AMHS (extended version) with the file transfer body part (FTBP) function will service from the early of 2023.

2. DISCUSSION

2.1 KAC has signed a contract with Frequentis (April 2020, Germany), one of the AMHS manufacturers. The installation of Hardware and Software will be finished by the third quarter of 2021. According to the plan, the IOT with China and Japan will be conducted 4Q of 2021. In early 2022, KAC will connect and have an exchange test of the ICAO Meteorological Information Exchange Model (IWXXM) format with the Korean Meteorological Administration system.

2.2 The stability of the new AMHS system will be verified through the trial operation with actual operating data, and Republic of Korea has a plan to conduct a POT with Japan and China in 4Q of 2022.

2.2 After the successful POT, Republic of Korea aims to switch to New AMHS system in the end of 2022. If the new AMHS upgrade and replacement is successfully completed in Korea, Republic of Korea is ready to support IWXXM with FTBP of a maximum size of 2MB. The IWXXM format can be distributed by AMHS over CRV stably from the early of 2023.

Agenda Item 5

21 – 23/06/21

| Description | 2021 | | | | 2022 | | | |
|---|------|----|----|----|------|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Installation Hardware and Software | | | | | | | | |
| IOT with China and Japan | | | | | | | | |
| Connection and Test with IWXXM system | | | | | | | | |
| AMHS Trial Test and POT with China and Japan over CRV | | | | | | | | |
| Start of New AMHS service (including IWXXM, CRV) | | | | | | | | |

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
