



ICAO

*International Civil Aviation Organization***INFORMATION PAPER****Asia and Pacific (APAC)****Twenty-second Meeting of the Meteorological
Information Exchange Working Group (MET/IE WG/22)**

Bangkok, Thailand, 18 to 21 March 2024

Agenda Item 4: Meteorological information exchange in IWXXM form**STATUS AND PLANS FOR IWXXM IMPLEMENTATION IN THE REPUBLIC OF KOREA**

(Presented by the Republic of Korea)

SUMMARY

This paper addresses the recent status and future plans related to the implementation of the ICAO Meteorological Information Exchange Model (IWXXM) in the Republic of Korea.

1. INTRODUCTION

1.1 This paper presents the current status and future plans for the implementation of IWXXM in the Republic of Korea. Acting as the NOC, Aviation Meteorological Office (AMO) of the Korea Meteorological Administration (KMA) is responsible for collecting, producing, and disseminating meteorological reports in cooperation with the Ministry of Land, Infrastructure, and Transport (MOLIT) which operates the aeronautical information telecommunication network in the Republic of Korea.

1.2 The World Meteorological Organization (WMO) published IWXXM version 2021-2 in November 2021 and recently has released IWXXM version 2023-1 in June 2023.

2. DISCUSSION**Status of IWXXM Version Upgrade in the Republic of Korea**

2.1 The AMO implemented IWXXM version 3.0 on 5 November 2020 and released it to the public with an open-API (amoapi.kma.go.kr/amoApi). Users can easily access IWXXM-formatted METAR/ SPECI, TAF, SIGMET, AIRMET through the open-API, supported by a user guide for better understanding of IWXXM data. Additionally, the AMO developed IWXXM version 2023-1 on 20 December 2023, which is the latest version. Currently, the AMO is in the pre-operational phase of IWXXM version 2023-1, conducting integrity check such as data errors and inconsistencies with the Aeronautical Information Exchange Model (AXIM) in the developed IWXXM format.

IWXXM Data Exchange Through AMHS

2.2 The MOLIT has completed the communication network through AMHS. In 2022, the AMO and the MOLIT conducted two national communication tests of AMHS to verify its availability, and the results were successful.

Future Plans

2.3 The AMO plans to continue regularly checking the status of the latest IWXXM version and upgrade the IWXXM software accordingly.

2.4 The AMO plans to continue regional communication tests of AMHS with other NOCs and ROCs in cooperation with the MOLIT.

2.5 After regional communication tests related to AMHS, if necessary, the AMO will provide updates on the Republic of Korea's IWXXM exchange implementation status in the IWXXM online register.

3. ACTION BY THE MEETING

3.1 Note the information contained in this paper.
