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

PROGRESS AND PLANS OF IWXXM IMPLEMENTATION AND APPLICATION IN CHINA

(Presented by China)

SUMMARY

This paper presents the progress and plans on the implementation and application of IWXXM in China.

1. INTRODUCTION

1.1 The requirement of digital exchange of aeronautical meteorological information, including METAR/SPECI, TAF, SIGMET, AIRMET, Volcanic Ash Advisory, Tropical Cyclone Advisory and Space Weather Advisory, in IWXXM GML form became applicable on 5 November 2020 according to Amendment 79 to ICAO Annex 3.

1.2 This paper presents the progress and plans on the implementation and application of IWXXM in China.

2. DISCUSSION

IWXXM Exchange Status

2.1 The METAR/SPECI and TAF in IWXXM format are translated by Beijing ROC at present, and have been disseminate to Bangkok RODB since Jan. 2024.

2.2 So far, Beijing ROC has been on operational stage and exchanging its METAR/SPECI and TAF bulletins in IWXXM format with the ROCs of Hong Kong, Tokyo, Singapore, Brisbane and Bangkok.

Future Plans

2.3 Beijing ROC will continue to conduct further IWXXM OPMETs exchange with other NOCs, ROCs and RODBs.

2.4 Beijing ROC plans to upgrade the METAR/SPECI/TAF to IWXXM V2023-1 in the near future.

2.5 The applications of IWXXM OPMETs have been under way, and the compressed IWXXM files have been shared with some air traffic management users through TCP/IP network.

2.6 The generation of SIGMETs in IWXXM format from source in the nine MWOs of China will be implemented in April this year.

2.7 The projects of generating METAR/SPECI and TAF in IWXXM format from source in some international AMOs have been prepared and will be launched this year.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information contained in this paper.

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