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INFORMATION PAPER

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Exchange Working Group (MET/IE WG/20)**

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Agenda Item 4: Meteorological information exchange in digital form

PLANS AND IMPLEMENTATION STATUS OF IWXXM IN CHINA

(Presented by China)

SUMMARY

This paper presents the progress and implementation status of IWXXM in China.

1. INTRODUCTION

1.1 The exchange of meteorological information in IWXXM format became a Standard from 5th November 2020, as indicated in Amendment 78 to ICAO Annex 3 and in accordance with the applicability of Amendment 79 to ICAO Annex 3.

1.2 This paper presents the progress and the implementation status of IWXXM in China.

2. DISCUSSION

Current Progress

2.1 After November 2020, China performed several tests on the exchange of IWXXM bulletins between Beijing ROC and Bangkok RODB, as well as Hong Kong China respectively. With the help and cooperation of Bangkok and Hong Kong China, China has successfully received the IWXXM bulletins from Bangkok since March 2021, and the real-time IWXXM exchange with Hong Kong China since December 2021.

2.2 Beijing ROC has completed the IWXXM translation for national METAR/SPECI and TAF reports in IWXXM V3.0, and plans to upgrade to IWXXM V3.1.

2.3 According to the feedback from Beijing COMM Center, the ATN links between China and Hong Kong China as well as China and Tokyo has transferred to CRV network; besides, the links with

Bangkok and Korea will be transferred to CRV network this year, while the link between China and Mongolia based on CRV network will be tested this year.

Some Experiences

2.4 Due to the different parameters used in the communication messages by different states may be different, there may be some FTBP files failed to read. So IWXXM Exchange TEST is necessary.

2.5 Parameters used in the communication messages are important for receiver to determine whether the received messages are duplicate. So it is better to keep the parameters “MTS Id” and “user-relative-identifier” to be unique during the information exchange.

Future Plans

2.6 Some international AMOs and MWOs in China are going to generate their reports in IWXXM format directly, which is expected to be operational at the beginning of 2023.

2.7 In order to successfully implement the IWXXM exchange with Tokyo RODB, Beijing ROC will try to find any chance to conduct IWXXM Exchange TEST with Tokyo RODB this year, under the cooperation of the related departments.

2.8 Following the IWXXM implementation status of Mongolia, China will communicate with Mongolia on translation service before they complete the IWXXM construction. With the agreement of Mongolia, China would like to provide translation services for Mongolia. Meanwhile, the IWXXM Exchange TEST with Mongolia will be conducted in the near future, once they could disseminate IWXXM bulletins.

2.9 The SIGMET bulletins translation service in IWXXM V3.1 is under development, which is expected to complete. And Beijing ROC will help to disseminate SIGMET bulletins for MWOs in China mainland this year.

3. ACTION BY THE MEETING

3.1 Note the information contained in this paper.
