



ICAO

International Civil Aviation Organization

Ninth Meeting of the Aeronautical Communication Services Implementation Coordination Group (ACSICG/9)

Video Tele-Conference, 19 - 21 April 2022

Agenda Item 2: Review of outcomes of relevant meetings

OUTCOMES OF RELEVANT MEETINGS RELATED TO IWXXM

(Presented by the Secretariat)

SUMMARY

This paper presents recent outcomes from APANPIRG and its contributory bodies' meetings regarding the States' implementation of ICAO provisions to disseminate meteorological information in the ICAO meteorological information exchange model (IWXXM) form.

1. INTRODUCTION

1.1. The effort to facilitate the States' implementation of ICAO Annex 3 provisions to disseminate meteorological (MET) information in IWXXM form continues within the Asia and Pacific (APAC) Air Navigation Planning and Implementation Regional Group (APANPIRG). The APANPIRG work on IWXXM is supported by its contributory bodies, including the Meteorology Sub-Group (MET SG) and Meteorological Information Exchange Working Group (MET/IE WG).

1.2. Recent discussions on IWXXM within the APANPIRG, MET SG and MET/IE WG forums focused on developing supporting resources, including an *Online Register of IWXXM Exchange Status* and *IWXXM Implementation in APAC Region – Frequently Asked Questions (FAQs)* and reviewing the status of implementation by the States of IWXXM for the dissemination of OPMET messages.

2. DISCUSSION

Online register of IWXXM capability in the APAC Region

2.1. Per the MET/IE WG/19* action item #06 concerning proposed updates to the ICAO APAC ROBEX† Handbook, ICAO published the APAC ROBEX Handbook – 14th Edition – March 2022 (https://www.icao.int/APAC/Documents/edocs/2022-03_ROBEX-HB_14th-Ed.pdf), including the following link, under paragraph 2.4.4, to the online register provided by the APAC ROCs‡ for IWXXM-exchange-capability:

* Nineteenth Meeting of the Meteorological Information Exchange Working Group (MET/IE WG/19), online, 22 – 24 March 2021

† Regional OPMET Bulletin Exchange

‡ Regional OPMET Centres

<https://docs.google.com/spreadsheets/d/1WEcGfMRZq2dgHsfdpFhiefJEcA8OeMhfbCJHTqA7NX0/edit#gid=0>

2.2. MET SG/25[§] reviewed progress (by Australia and Hong Kong, China) on developing the online register of current IWXXM exchange status and considered the need for States to provide updates on their implementation status of IWXXM exchange in the online record. Therefore, MET SG/25 formulated a Draft Conclusion for further consideration and possible adoption by APANPIRG [Draft Conclusion MET SG/25-03: *Updating Online Register of IWXXM Exchange Status*, refers]

2.3. APANPIRG/32^{**} subsequently reviewed the above MET SG Draft Conclusion and considered that the provision of timely updates by States to the register would facilitate the Region-wide implementation of the IWXXM exchange and, therefore, required the attention of States/Administrations, including both MET and CNS communities. Accordingly, APANPIRG/32 adopted the following Conclusion [based on Draft Conclusion MET SG/25-03]:

Conclusion APANPIRG/32/11: Updating Online Register of IWXXM Exchange Status	
That, States/Administrations provide timely updates to the Online Register of IWXXM Exchange Status on the latest status of AMHS capability for IWXXM exchange among ROCs and NOCs, and the availability of IWXXM MET reports.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To inform users and Regional OPMET Bulletin Exchange Scheme participants of each States’ ability to generate and receive IWXXM over the required communication links and facilitate the Region-wide implementation of IWXXM exchange.	
When: Now	Status: Adopted by PIRG
Who: <input type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other: ROs	

2.4. As a follow-up to Conclusion APANPIRG/32/11, an appropriate ICAO State letter is in progress.

2.5. MET/IE WG/20^{††} considered IP/09 – *Update to Online Register of APAC IWXXM Exchange Status* (presented by Australia and Hong Kong, China). It noted that some States had indicated their capability to generate IWXXM reports but not the ability to disseminate the IWXXM messages internationally to other ROCs because the necessary AMHS^{‡‡} with FTPB^{§§} and IHE^{***} was not yet implemented.

[§] Twenty-fifth Meeting of the Meteorology Sub-Group (MET SG/25), online, 18-22 October 2021

^{**} Thirty-second Meeting of the Asia and Pacific (APAC) Air Navigation Planning and Implementation Regional Group (APANPIRG/32), online, 1 – 3 December 2021

^{††} Twentieth Meeting of the Meteorological Information Exchange Working Group (MET/IE WG/20), online, 28 – 30 March 2022

^{‡‡} Air Traffic Services (ATS) Message Handling System

^{§§} File Transfer Body Part

^{***} Interpersonal Messaging (IM) Heading Extensions

2.6. MET/IE WG/20 noted a suggestion that ICAO includes in the (above-mentioned) State letter (a) information on the relevant reference materials for IWXXM implementation and (b) further encouragement for States to implement the AMHS functionality necessary to support the dissemination of IWXXM formatted messages.

IWXXM Frequently Asked Questions

2.7. MET SG/25 considered the document compiled by the MET/IE WG, which is based on questions and answers at ICAO APAC workshops on IWXXM, was sufficiently mature for use as a reference for States. Therefore, MET SG/25 requested ICAO publish the document on the ICAO APAC office website [Conclusion MET SG/25-01: *Publishing of IWXXM Frequently Asked Questions*, refers].

2.8. The document discussed above, titled *IWXXM Implementation in APAC Region – Frequently Asked Questions (FAQs)*, is available at the following link:

https://www.icao.int/APAC/Documents/edocs/IWXXM-FAQs_1st-Ed.pdf

Implementation by States of IWXXM

2.9. In addition, MET/IE WG/20 noted updates provided by the following States on their implementation of IWXXM for the dissemination of OPMET messages: China (IP/06), Hong Kong, China (IP/07), Japan (IP/03), Mongolia (IP/10), Singapore (IP/08) and Thailand (IP/04). The IPs are published on the ICAO APAC office website for further information.

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.
