



ICAO

International Civil Aviation Organization

INFORMATION PAPER

Nineteenth Meeting of the Meteorological Information Exchange Working Group (MET/IE WG/19)

Virtual meeting, 22 to 24 March 2021

Agenda Item 4: Meteorological information exchange in digital form

STATUS AND PLANS FOR IMPLEMENTATION OF IWXXM IN THAILAND

(Presented by Thailand)

SUMMARY

This paper presents a brief overview of the status and plans for the implementation of OPMET exchange in IWXXM in Thailand.

1. INTRODUCTION

1.1 Amendment 78 to Annex 3 has been applicable since 8th November 2018. The international exchange of IWXXM, routine OPMET (METAR & TAF) and non-routine OPMET (SPECI, SIGMET, AIRMET, Volcanic ash advisory information, Tropical cyclone advisory information and Space weather advisory information) became a standard practice from 5th November 2020.

2. DISCUSSION

Thailand NOC

2.1 Thai Meteorological Department (TMD), also acting as the National OPMET Centre (NOC), is currently generating METAR/SPECI, TAF and SIGMET reports in IWXXM V 3.0 by translation.

2.2 The exchange of IWXXM reports from the Thailand NOC to Bangkok ROC (AEROTHAI) conducts through the Air Traffic Services (ATS) Message Handling System (AMHS) with File Transfer Body Part (FTBP).

Bangkok ROC

2.3 Bangkok ROC has been collecting all OPMET data from its Area of Responsibility (AoR) in both TAC and IWXXM formats through AFTN/AMHS.

2.4 Bangkok ROC is disseminating IWXXM reports, in addition to delivering the international IWXXM reports to Thailand NOC that received from its area of responsibility to other ROCs/RODBs.

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At the moment, Bangkok ROC disseminates IWXXM OPMET to Hong Kong ROC, Singapore RODB and Brisbane RODB.

2.5 Bangkok ROC provides the translation service, especially for its AoR, by bilateral agreement. Currently, the translation of OPMET data (METAR/SPECI and TAF) from TAC to IWXXM V 3.0 is operating for Vietnam NOC.

Bangkok RODB

2.6 There is a Databank available for both TAC and IWXXM at Bangkok RODB. The request/reply function was tested successfully with Singapore RODB.

Future Plans

2.7 To establish the bilateral agreements for translation services with partners, particularly under the AoR of Bangkok ROC.

2.8 To implement the exchange of IWXXM reports with other ROCs/RODBs and NOCs.

2.9 To test the exchange of IWXXM with IROG from other regions, given that the network from both ends is capable of supporting the exchange of IWXXM.

2.10 To create the records of the exchange of IWXXM in the topics that designated by ICAO.

3. ACTION BY THE MEETING

3.1 Note the information contained in this paper.
