



International Civil Aviation Organization

**FOURTEENTH MEETING OF THE ASIA/PACIFIC
METEOROLOGICAL INFORMATION EXCHANGE WORKING GROUP
(MET/IE WG/14)**

Bangkok, Thailand, 7 – 9 March 2016

Agenda Item 4: Planning and implementation of digital exchange of meteorological information

STATUS AND PLANS FOR IWXXM IN THAILAND

(Presented by Thailand)

SUMMARY

This paper presents a brief update on Thailand's status and plans for the support of digital exchange of OPMET messages, commonly known as ICAO Meteorological Information Exchange Model (IWXXM).

1. INTRODUCTION

1.1 According to Amendment 76 to ICAO Annex 3 – *Meteorological Service for International Air Navigation* (applicable in Nov. 2013), OPMET information (METAR, SPECI, TAF and SIGMET) may be exchanged in digital form under bilateral agreements between States in a position to do so.

1.2 The Task Team on Aviation XML (TT-AvXML) is a joint team between World Meteorological Organisation (WMO) and ICAO to create an XML representation of meteorological information that is compatible with both WMO and aviation systems. As a result, IWXXM has been developed.

1.3 Detailed information about IWXXM is provided in the Manual on the Digital Exchange of Aeronautical Meteorological Information (ICAO Doc 10003).

2. PROGRESS REPORT

Current Status

2.1 As of 2015, Aeronautical Radio of Thailand (AEROTHAI) has been developing a research project with respect to the support of OPMET digital exchange. Prototype software is now capable of converting METAR and TAF from Traditional Alphanumeric Codes (TAC) into IWXXM, and vice versa within AEROTHAI's system.

2.2 On behalf of Thailand, AEROTHAI will participate in FAA’s Mini-Global Demonstration which will be conducted in April 2016. One of the test scenarios in the demonstration is the exchange of IWXXM messages between AEROTHAI and Civil Aviation Authority of Singapore (CAAS). This will benefit the further improvement in AEROTHAI’s prototype software.

Future Plans

2.3 Further development of the software is to support the conversion of SIGMET messages by the end of this year.

3. ACTION REQUIRED BY THE MEETING

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