



International Civil Aviation Organization

**THIRTEENTH MEETING OF THE ASIA/PACIFIC REGIONAL OPMET
BULLETIN EXCHANGE WORKING GROUP (ROBEX WG/13)**

Seoul, Republic of Korea, 16 – 18 March 2015

Agenda Item 4: OPMET Exchange

STATUS AND PLANS FOR IWXXM IN THAILAND

(Presented by Thailand)

SUMMARY

This paper presents a brief update on Thailand's status and plans for supporting the exchange of OPMET in XML format complying with the ICAO Meteorological Information Exchange Model (IWXXM) version 1.1

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

2.1 On behalf of Bangkok RODB, Aerothai is commencing a research project aimed at exchanging OPMET messages in XML format. The purposes of the project are as follows:

- a) To use the latest version of IWXXM which will be AvXML version 1.1 (Not the released version). The link to the IWXXM XML schema files is on WMO website - <http://schemas.wmo.int>;

- b) To develop a software prototype acting as a gateway to convert from Traditional Alphanumeric Codes (TAC) into XML-based messages, and vice versa; and
- c) To test the exchange process within Aerothai's local environment.

2.2 The scope of this research project is to ensure the capability to exchange information in both TAC and XML format on the existing system.

2.3 The research project will be completed by September 2015.

3. ACTION BY THE MEETING

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