



*International Civil Aviation Organization*

**THE FIRST MEETING OF SYSTEM WIDE INFORMATION  
MANAGEMENT TASK FORCE (SWIM TF/1)**

Bangkok, Thailand, 10 – 12 May 2017

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Agenda Item 3: Assign tasks (leader/contributors) for next period (May 17 – April 18),  
and review associated progress and issues

e) Task 1-8: Guidance and training

**WMO VCP / ICAO APAC WORKSHOP  
ON THE IMPLEMENTATION OF IWXXM FOR THE EXCHANGE OF OPMET DATA  
TO BE HELD IN HONG KONG, CHINA**

(Presented by Hong Kong, China)

**SUMMARY**

This paper presents the initiative of Hong Kong, China to organize and host a workshop on the implementation of IWXXM for the exchange of OPMET data to raise the capability of stakeholders of Asia and Pacific to kick-start their own implementation project for digital MET information to be exchanged and integrated in a SWIM environment.

**1. INTRODUCTION**

1.1 In APANPIRG MET SG/20 held on 6-9 June 2016, the meeting confirmed the need of capacity building and awareness raising activities on IWXXM implementation for different stakeholders in APAC. APAC MET/IE WG/15 held on 20-22 March 2017 concurred that experience sharing through the exchange of lessons learned in IWXXM implementation initiatives of States should help building capacity among States. To facilitate States to develop relevant capabilities to kick-start IWXXM implementation in the Asia and Pacific region, Hong Kong, China will organize a Workshop on Implementation of IWXXM for the Exchange of OPMET Data during 10-12 October 2017 in Hong Kong.

**2. DISCUSSION**

2.1 The proposed 3-day workshop will be held under the joint banner of WMO Voluntary Cooperation Programme (VCP) and ICAO APAC Office and will be composed of lectures and sharing sessions. It will focus on practical implementation of IWXXM like basic infrastructural requirements, encoding, decoding and exchanging of OPMET data, roles and responsibilities of stakeholders with respect to their functions in the regional plan and gap identification. The workshop would also take into account the outcomes from the "ICAO Workshop on Implementing IWXXM for the exchange of OPMET data" to be held in Paris, France on 17-18 May 2017 and the third meeting of WG-MIE to be held on 10-14 July 2017.

- 2.2 Tentative topics to be covered in the workshop include the following.
1. IWXXM and its importance to the Global Air Navigation Plan (GANP) and Aviation System Block Upgrade (ASBU);
  2. Collaboration of WMO and ICAO in the development and governance of IWXXM;
  3. Regional considerations with respect to the *Guidelines for the implementation of OPMET Data Exchange using IWXXM*;
  4. Technical aspects related to IWXXM with emphasis on assisting participants to kick start their own implementation project, such as:
    - (a) Introduction of IWXXM and the use of it for message encoding;
    - (b) Translation of TAC to IWXXM bulletins;
    - (c) Validation of IWXXM bulletins and available resources; and
    - (d) Infrastructural and operational requirements for IWXXM bulletin exchange (e.g. Extended AMHS);
  5. Experience sharing on IWXXM implementation and gap identification; and
  6. Discussion on preparation for local and regional implementation.

2.3 Targeted participants include personnel of aeronautical meteorological service providers involved in the preparation and exchange of aviation meteorological information, especially those who will be involved in the migration from the use of Traditional Alphanumeric Code (TAC) to IWXXM for OPMET data exchange, and personnel responsible for the exchange and dissemination of meteorological information for international civil aviation (e.g. Air Navigation Service Providers (ANSPs), National OPMET Centres (NOCs), Regional OPMET Centres (ROCs) and Regional OPMET Data Bank (RODBs).

2.4 Formal invitation to attend the workshop will be sent via WMO and ICAO closer in time. Due to space limitation at the venue, the total number of participants is not expected to exceed 40.

### **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

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