



International Civil Aviation Organization

**FIFTEENTH MEETING OF THE ASIA/PACIFIC METEOROLOGICAL
INFORMATION EXCHANGE WORKING GROUP
(MET/IE WG/15)**

Bangkok, Thailand, 20 – 22 March 2017

Agenda Item 4: Meteorological information exchange in digital form

PLANS FOR IWXXM IN FIJI

(Presented by Fiji)

SUMMARY

This paper provides a brief update on the status and plans for the support of ICAO Meteorological Information Exchange Model (IWXXM) format in Fiji.

1. INTRODUCTION

1.1 Amendment 77 to Annex 3 recommends the international exchange of XML formatted METAR/SPECI, TAF, AIRMET, SIGMET, VAA and TCA. The planned Amendment 78 to Annex 3 (November 2018) is expected to make this a standard from November 2020.

1.2 At the first meeting of ICAO METP Working Group on Meteorological Information Exchange (WG-MIE), XML/GML representations of AIRMET, Volcanic Ash and Tropical Cyclone Advisories were proposed to be introduced in IWXXM V2.

2. DISCUSSION

2.1 Progressing towards achieving full compliance to Amendment 77/78 of ICAO Annex 3, Fiji is in the process of coordinating and discussing the roadmap with our stakeholders including the Fiji Met Services, Pacific Island States and our regional partners mainly the USA, Australia and New Zealand on the proposed implementation and testing of IWXXM.

2.2 To enable exchange of IWXXM reports between Fiji Met Services and the Nadi OPMET/ROBEX Centre, currently the Fiji Met Services is:

- Upgrading their system to allow generation and dissemination of IWXXM data – currently undergoing their testing phase.
- Upgrading its IP network system to allow AMHS connectivity to the Nadi RODB/ROBEX centre. This is expected to be completed by end of this year.

2.3 For the Nadi RODB/ROBEX centre to generate IWXXM bulletins for dissemination to other connected RODB/ROBEX Centres, we are currently looking at the following;

- Upgrading the existing AMHS basic services link to Australia to AMHS with extended services to allow attachment (IWXXM) to be sent over the network.
- Upgrading our OPMET/ROBEX system to allow
 - o Acquisition of IWXXM data as attachment to AMHS messages
 - o Storage of IWXXM data in the database
 - o Bi-directional conversion between TAC (Text data) and IWXXM data
 - o IWXXM Data Aggregation Function

(Our system supplier has advised on the availability of the above functionality by June 15, 2017)

2.4 At the successful completion of the system and network upgrades, we will coordinate plans with our local and regional partners for the exchange of IWXXM data to test generation and ingestion of each other's products.

2.5 The solution for data querying/manipulation/visualization for the users is still to be determined, as is the timeframe for implementation.

3. ACTION REQUIRED BY THE MEETING

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