International Civil Aviation Organization

Eleventh Meeting of the Aeronautical Communication Services Implementation Coordination Group (ACSICG/11)

Bangkok, Thailand, 19 - 22 March 2024

Agenda Item 7:   Readiness of AMHS to support IWXXM

FIJI AMHS & IWXXM IMPLEMENTATION STATUS

(Presented by Fiji / Fiji Airports)

SUMMARY

The paper presents the update for Fiji to implement AMHS system to enable international exchange of the ICAO Meteorological Information Exchange Model (IWXXM) data for ROBEX IWXXM with the five (5) Regional OPMET Data Bank (RODB) in the Asia/Pacific region. The IWXXM system will enable the translation from the ROBEX TAC to IWXXM format.

1. **INTRODUCTION**

1.1.   Fiji is procuring its new AMHS & IWXXM s system to replace the current system that will enable the exchange of IWXXM message with the five (5) RODB in the Asia/Pacific region and meet ICAO mandate. The IWXXM will enable the translation of the TAC to IWXXM OPMET messages.

2. **DISCUSSION**

2.1.   Fiji commissioned its AMHS system in 2010 and does not meet the specific requirement to enable IWXXM exchange over the AMHS using Extended services using FTBP with the specified file size up to 4.0MB.

2.2.   Fiji is one of the five (5) RODB center in the Asia/Pacific region and ICAO has mandated the RODB centers to exchange ROBEX IWXXM format in November 2020.

2.3.   Fiji is sending its ROBEX text bulletin in TAC format to New Zealand Meteorology to perform the TAC to IWXXM translation and exchange with the RODB centers.

2.4.   Fiji Airports has signed a contract in March 2024 for the supply of the new AMHS & IWXXM system to replace the existing system that will enable the exchange of ROBEX IWXXM format and translation of TAC to IWXXM format as gateway for TAC OPMET source.

2.5.   The AMHS & IWXXM is expected to be commissioned in December 2024 to enable the Nadi RODB to exchange ROBEX IWXXM format and perform the TAC to IWXXM translation.

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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