



ICAO

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

Agenda Item 8: AMHS transition to SWIM

PCAA READINESS FOR ICAO IWXXM IMPLEMENTATION AND AMHS TRANSITION TO SWIM

(Presented by Pakistan Civil Aviation Authority)

SUMMARY

This paper presents brief overview of Pakistan Civil Aviation Authority readiness of AMHS to support IWXXM and AMHS transition to SWIM.

1. INTRODUCTION

- 1.1 Pakistan being member state is providing AMHS services. PCAA first installed AMHS during the year 2009. PCAA upgraded AMHS in 2021 which is capable of providing extended AMHS services.

2. DISCUSSION

- 2.1 PCAA has initiated the implementation of exchange of data in XML format. The objective is the implementation of SWIM enable data sharing (IWXXM, AIXM and FIXM). PCAA is closely working with the OEM of the AMHS. This will be a step towards AMHS transition to SWIM as per ICAO roadmap for SWIM implementation. Agreement reached with OEM of AMHS for exchange of meteorological data in IWXXM. OEM has assured the existing software will be replaced with new software to enable translation of TAC (Traditional Alphanumeric Code) data into IWXXM (ICAO Meteorological Information Exchange Model) data for delivery to the intended addressees and RODB (Regional OPMET Data Bank) Bangkok.
- 2.2 For exchange of IWXXM data AMHS/X-400 link is required. PCAA has already replaced Karachi-Mumbai AFTN data link with AMHS / X-400 link. As Karachi-Beijing AFTN link is alternate to Karachi-Mumbai AMHS link, the delivery of IWXXM data to RODB Bangkok will not be possible in case Karachi-Mumbai AMHS link become un-serviceable. Therefore, steps are also initiated to replace the

existing legacy Karachi-Beijing AFTN data link with new X-400/AMHS over TCP / IP/MPLS link. This will support exchange of data in IWXXM format.

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.
