International Civil Aviation Organization

**MIDANPIRG Meteorology Sub-Group
Eleventh Meeting (MET SG/11)**

(Cairo, Egypt, 14 – 15 November 2023)

Agenda Item 4:   MET Planning and Implementation issues – Review of requirements for OPMET data as well as IWXXM implementation

STATUS OF IWXXM IMPLEMENTATION IN THE MID REGION

(Presented by the Secretariat)

SUMMARY

This paper provides an update on the status of the ICAO Meteorological Information Exchange Model (IWXXM) implementation in the MID Region and requests States to provide an update, where applicable.

Action by the meeting is at paragraph 3.

REFERENCES

- ICAO MID IWXXM Implementation Webinar (26-27 May 2021)

- MID Doc 012, *Guidance for the Implementation of OPMET Data Exchange using IWXXM*

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1.   **INTRODUCTION**

1.1   The meeting may wish to recall the ICAO MID IWXXM Implementation Webinar that was held virtually from 26 to 27 May 2021.

1.2   The objectives of the Webinar were to share information on the background, requirements and best implementation practices of ICAO provisions and World Meteorological Organization (WMO) means of compliance related to IWXXM.

1.3   The Webinar was attended by a total of one-hundred and five (105) participants from seventeen (17) States (Austria, Bahrain, Belgium, France, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Sudan, Syria, UAE and USA) and three (3) Organizations (GCC, IFATCA and WMO).

For more information, the meeting is invited to review the information related to this Webinar at **https://www.icao.int/MID/Pages/2021/IWXXM%20Impl.%20Webina.aspx**

2. **DISCUSSION**

2.1   The Webinar noted that provisions related to IWXXM became a requirement in Amendment 78 to Annex 3 applicable 5 November 2020. Specifically, the following MET related data shall be disseminated in IWXXM form in addition to Traditional Alphanumeric Code (TAC) form: METAR and SPECI, TAF, SIGMET and AIRMET, Tropical Cyclone Advisory, Volcanic Ash Advisory and Space Weather Advisory Information.

2.2   One of the main advantages of providing MET data in IWXXM format is that IWXXM is geo-referenced specifically to aeronautical information which is needed to move towards a System Wide Information Management (SWIM) environment. Another main advantage is that national extensions are easier to support in IWXXM and additional information nationally (e.g. reporting wind at various altitudes on approach) can be provided in a standard format.

2.3   The Webinar addressed global developments related to SWIM and ICAO ASBU as well as developments by the MET Panel (METP) Working Group on Meteorological Information Exchange (WG-MIE) and WMO.

2.4   Furthermore, the Webinar reviewed the *Guidelines for the Implementation of OPMET Data Exchange using IWXXM* (MID Doc 012). As different WMO abbreviated header lines are used for IWXXM, the Webinar encouraged the notification of changes for OPMET data using the METNO procedures.

2.5   Interregional IWXXM coordination, steps on IWXXM implementation and State examples of IWXXM implementation were provided to the Webinar. In addition, an overview of Appendix H of the EUR AMHS Manual was provided to the Webinar.

2.6   The Webinar received input on the status of IWXXM implementation from seven (7) States in the MID Region as provided at **Appendix A** and States are encouraged to update this information.

3. **ACTION BY THE MEETING**

3.1   The meeting is invited to:

   a)   note the information in this paper; and

   b)   provide the latest status on IWXXM implementation for those States that have not yet done so.

APPENDIX A

Table – Status of IWXXM Implementation in the MID Region

State	Expected implementation date	Comment
Bahrain		
Egypt		
Iraq		
Iran		
Jordan	Q3 2021	Upgraded MET-Switch; connection to COM expected shortly followed by conformance test
Kuwait	End 2021/ early 2022	
Lebanon	End 2023	
Libya		
Oman	End 2021/ early 2022	
Qatar	Mid 2021	Testing IWXXM v3.0 between MET and COM Centres
Saudi Arabia	complete	IWXXM v3.0
Sudan		
Syria		
United Arab Emirates	complete	Becoming compliant at national aerodromes
Yemen		

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