

APPENDIX E: GLOBAL TRANSITION PLAN FOR DIGITAL OPMET (2014 MET/14 Rec 3/2)

1. TRANSITION

The main principles and considerations for the evolution of MET information exchange provisions explained in paragraphs 2.2 and 2.3 are expressed in a foreseen end-state of this evolution by 2025. Intermediate steps are defined in line with the regular amendment cycle of Annex 3 to support the transition towards this full migration by 2025*

- 1) Amendment 77 to Annex 3 (with intended applicability in November 2016)
 - ✓ Introduction of an updated IWXXM (logical level) to reflect additional aeronautical meteorological information elements currently contained in the defined Annex 3/Technical Regulations [C.3.1] products or templates (evolution of IWXXM version 2013)
 - ✓ Introduction of recommended practice for XML/GML-based exchange format for METAR, SPECI, TREND, TAF and SIGMET (upgrade of IWXXM version 2013)
- 2) Amendment 78 to Annex 3 (with intended applicability in November 2019)
 - ✓ Introduction of an updated IWXXM (logical level) to reflect all aeronautical meteorological information elements contained in the products, templates and services that Annex 3/Technical Regulations [C.3.1] supports
 - ✓ Introduction of a separate chapter on information exchange services including:
 - the general principles and in some cases recommended practices to provide all gridded data products currently part of Annex 3/Technical Regulations [C.3.1] as an information exchange service in a recommended exchange format;
 - recommended practices to provide all gridded data products as an information exchange service in a recommended exchange format; and
 - introduce newly defined and agreed services.
- 3) Amendment 79 to Annex 3 (with intended applicability in November 2022)
 - ✓ Restructuring to reflect that Annex 3/Technical Regulations [C.3.1] described core aeronautical meteorological information elements and aeronautical meteorological information exchange services at the logical level to support international air navigation, including:
 - an updated IWXXM (logical level) to reflect all meteorological information elements and services contained in Annex 3/Technical Regulations [C.3.1]; and
 - recommended practices for the physical exchange formats of these services
- 4) Amendment 80 to Annex 3 (with intended applicability in November 2025)
 - Modifications required by emerging services needs; and
 - Removal of product requirements.

2. EXPERT GROUP TO SUPPORT DEVELOPMENT

2.1 Considering the complexity and multidisciplinary aspects of the proposed transition, it is proposed to set up an expert group to support the development of provisions for aeronautical meteorological information exchange as integral component of SWIM.

2.2 This expert group should:

- a) identify aeronautical meteorological information services to include in subsequent versions of IWXXM;
- b) support the development of subsequent versions of the IWXXM logical data model;
- c) support the development of the physical data models and exchange formats to support the information services defined in the IWXXM logical data model;
- d) identify implementation considerations for States for implementing aeronautical meteorological information services, for providers and users, and
- e) identify potential training needs for the users of aeronautical meteorological information services by SWIM-enabled applications.

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