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WG – MIE IWXXM requirements & documentation

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IWXXM Implementation Workshop,
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IWXXM

- Workstream 1: IWXXM requirements
- Workstream 2: SWIM
- Workstream 3: IWXXM documentation
- Workstream 4: Support & Coordination



IWXXM

IWXXM versions (1/2)

(MIE/5)

There would be a need to support more than one version (some backward compatibility) and that updating to a new version (either minor or major) will still require a system change.

Minor version → backward compatibility

(MIE/6) It was also agreed that the *IWXXM Guidelines* should specify how RODBs should provide OPMET Information, when the requested IWXXM data is available in different IWXXM versions. *IWXXM Guidelines* will contain information on IWXXM versions, deletion & deprecation.



IWXXM

IWXXM versions (2/2)

IWXXM guidelines documentation will be updated probably next year with the following

Annex 3 Amendment	IWXXM Report Type and Compliant IWXXM Version(s)							
	METAR /SPECI	TAF	AIRMET	SIGMET	TCA	VAA	SWA	SIGWX
Amd77	2.1	2.1	2.1	2.1	2.1	2.1	N/A	N/A
Amd78	3.0	3.0	3.0	3.0	3.0	3.0	3.0	N/A
Amd79^{Note}	3.0, 3.1	3.0, 3.1	3.0, 3.1	3.0, 3.1	3.1	3.1	3.0, 3.1	3.1



IWXXM

SIGWX (High & Medium, LLF)

- As well as increasing the SIGWX timesteps from T+24 only to fifteen timesteps (T+6 to T+48 at 3-hourly intervals) the SIGWX forecast format will be updated to use GML instead of BUFR.
- The next generation of WAFS SIGWX forecasts will be introduced in November 2022 and the schema should be developed for mid 2020. (Annex 3, DOC 8896 to be updated).
- Good progress has been made so far with investigating the elements that will make up the SIGWX IWXXM schema but not finalized.
- Identification of supplementary elements to support SIGWX for LLF operation to be pursued.



Extensions (State extensions)

- There is a need to determine guidelines for developing, implementing, maintaining and documenting extensions.
- The group agreed that there needs to be some form of repository for State extensions.
- More work needs to be done in this area regarding the scope of the information required in order to propose a collection system, if any
- an action was decided: In conjunction with WG-MISD & PIRGs, identify which extensions could become part of the core MET information. (Patrick & Tim, EUR& APAC)
- Identify where/if there could be a website collecting the IWXXM State extensions. (Gilles, Kentaro, Mark)



I/R coordination

- To ensure a complete delivery path over AMHS the activity group proposed using the approach taken in the EUR region
- All COM Centres to inform the AMC of their capability to switch FTBP over AMHS
- to improve interregional coordination on the notification of OPMET data dissemination between different ICAO Regions, harmonization of METNO procedures will be pursued beginning with the ICAO EUR and APAC Regions
- This may result in an update of the EUR METNO procedure (e.g. changing from one to two AIRAC cycle time schedule)



Bulletin cessation

In view of early SWIM implementation, the retirement of bulletins be required

TAC cessation

Foreseen in 2026 , with different phases to be further confirmed.

Term OPMET to be re-defined

Visualisation



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- Asia and Pacific (APAC) Office
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THANK YOU