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UNITING AVIATION

ICAO Activities

METP/2 and other developments

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Overview

- METP/2
- Meteorological requirements and integration (MRI)
- Meteorological information and service development (MISD)
- Meteorological information exchange (MIE)
- Meteorological operations group (MOG)
- Meteorological Cost recovery guidance and governance (MCRGG)
- Other relevant ICAO development



The second meeting of the Meteorology Panel (METP/2)

- Held 17 to 21 October 2016, Montreal, Canada
- 60 members, advisers and observers nominated by 18 Contracting States and 6 international organizations
- More than 20 Recommendations, including amendment proposals for Annex 3/Technical Regulations [C.3.1] and revisions to job cards

Meteorological requirements and integration

- Concept for the integration of Meteorological information for ATM (working with ATMRPP)
- WG-MRI will provide further detail to the requirements for MET information and the integration into ATM
 - first iteration of ‘functional’ requirements for all ASBU modules identified planned for December 2016
 - followed by the development of ‘performance requirements’ over 2017



Meteorological requirements and integration (cont'd)

- development of a ASBU AMET Block 2 by May 2017
- update to ASBU AMET Block 1 to support ATM in the terminal area also by May 2017
- phased approach for PANS-MET
 - transposition of the relevant existing Annex 3 SARPs into a new PANS-MET
 - product-based to information-based enabling the integration of meteorological information into the SWIM environment

Meteorological information and service development

- Proposed amendments to Annex 3
 - use of a circle (cylinder) in SIGMET messages, including RDOACT CLD
 - SARPs in Annex 3 for space weather service and associated consequential amendment to other ICAO documents

Meteorological information and service development (cont'd)

- Space weather
 - SARPs proposed for 2018 Nov. applicability (Amendment 78)
 - The Space Weather Manual to be further developed to support the SARPs
 - proposed guidance on the process for selecting space weather information providers
 - WMO and ICAO will continue to need to work closely together in the establishment of space weather services supporting aviation



Meteorological information and service development (cont'd)

- Volcanic ash and gases
 - version 2.1 of the Roadmap for the International Airway Volcano Watch (IAVW)
 - IATA's requirements for the development of provisions for sulphur dioxide (SO₂) information (would require consultation with health professionals)

Meteorological information and service development (cont'd)

- Regional hazardous weather advisories
 - Proposed amendment to Annex 3 to add a note in Chapter 3, Paragraph 3.4.1 on guidance to meteorological watch offices (MWO) regarding bilateral and multi-lateral cooperation and coordination of SIGMET information messages
 - Associated guidance for the draft SARP is being prepared, which will be included in Doc 8896 - Manual on Aeronautical Meteorological Practices



Meteorological information and service development (cont'd)

- World area forecast system
 - ConOps for the WAFS
 - updated roadmap for the WAFS
 - catalogue of WAFS information for SWIM



Meteorological information exchange

- Centered around SWIM
- Initial draft of the MET-SWIM Plan to supplement Doc 10039 (Manual on System Wide Information Management) and Doc 10003 (Manual on the Digital Exchange of Aeronautical Meteorological Information)



Meteorological information exchange (cont'd)

- Amendment proposals for Annex 3 on IWXXM standards for METAR/SPECI, TAF, SIGMET, AIRMET, volcanic ash advisories and tropical cyclone advisories (applicable 2020)
- Standing working practice such that, for changes that require modification of the IWXXM representations of information, the applicability date is no sooner than eighteen months following publication of the amendment to Annex 3 to allow more time for ICAO/WMO to resolve technical issues



Meteorological operations group

- Update to the Regional SIGMET Guide Template, endorsed by the METP/2
- The METP/2 noted that there was no mandate under the Convention to provide OPMET data for non-AOP Aerodromes through ICAO systems. It was suggested that IATA raise this matter formally with ICAO
- Extension of the area of responsibility of VAAC Tokyo so IAVW will now have global VAAC coverage



Cost recovery guidance and governance

- White Paper on Future Aeronautical Meteorology Information Delivery
 - joint METP/ET-GOV effort
 - first draft has been completed for internal consideration
 - The MCRGG, in coordination with the WMO ET-GOV, will endeavour to have a first formal iteration of the white paper ready for distribution by 27 January 2017



Other relevant ICAO development

- ATMRPP/2 (14 to 18 November, Montreal)
- IMP/WG/3 (14 to 18 November, Montreal)
- Fifth edition of the Global Air Navigation Plan (GANP), endorsed by A39
- GANIS in 2017
- AN-CONF/13 in 2018



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Thank You