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REVIEW OF MET SG OUTCOMES

ICAO APAC
ATM/SG/13 – WP/48



IWXXM Update Notification Process

- **Draft Conclusion MET SG/29-03 recommends a notification process**
- Coordinated by ICAO and WMO to reduce version risks
- Supports timely system upgrades and operational readiness
- IWXXM 2025-2RC1 available; full release expected Nov 2025
- MET/IE WG/23 requested Secretariat engagement with WMO
- **Seeks ATM/SG endorsement for structured stakeholder communication**

WP/48, paragraph 2.1

Sharing of Turbulence Reports

- **Draft Conclusion MET SG/29-05 urges States to share turbulence reports**
- Addresses safety concerns raised at DGCA/60
- Enhances forecasting and situational awareness
- Promotes inclusion of turbulence reporting in future agendas
- Supports Action Item 60/9 and regional collaboration
- **Seeks ATM/SG endorsement to improve aviation safety**

WP/48, paragraph 2.2

Air Navigation Deficiencies

- **Draft Conclusion MET SG/29-08 proposes a multi-disciplinary group**
- 12 MET deficiencies unresolved, some over 25 years
- Issues include WAFS access, METAR/SPECI, SIGMET gaps
- 83% of deficiencies held by Pacific SIDS
- IATA data: MET linked to 50% of APAC fatal accidents
- **Seeks ATM/SG and APANPIRG support for accelerated resolution**
- MET SG/29 Conclusions 29-06 and 29-07, identifying non-compliance of SIGMET and advisory dissemination in IWXXM-format

WP/48, paragraphs 2.3 to 2.4

Volcanic Ash and Activity Information

- **Draft Conclusion MET SG/29-15 promotes QVA readiness**
- QVA API launched by VAAC London; operational Nov 2025
- Enables flight planning based on engine thresholds
- First MET/SWIM service aligned with ICAO standards
- **MET SG/29 urges regional engagement and readiness**
- Action 29/24 supports expanding NZ's VONA Input System

WP/48, paragraphs 2.5 to 2.6

Guidance Document Updates

- **Draft Conclusion MET SG/29-02: label/remove obsolete documents**
- Prevents confusion from outdated materials on ICAO website
- Decision MET SG/29-09: publish MET documentation guidance
- Decision MET SG/29-04: integrate MET into Seamless ANS Plan
- Decision MET SG/29-10: update tailored MET services guidance
- Decision MET SG/29-11: endorse 12th Edition of SIGMET Guide

WP/48, paragraphs 2.7 – 2.10

MET-SWIM

- Decision MET SG/29-14: ad hoc group for MET SWIM contributions
- Decision MET SG/29-12: update SWIM-based MET use cases
- Decision MET SG/29-13: publish 2021 MET-ATM survey report
- Action 29/02: update MET-SWIM Roadmap & Guidelines

WP/48, paragraphs 2.11 to 2.13

Capacity Building Initiatives

- Action 29/26: organize webinar on Annex 3 & PANS-MET
- **Action 29/28: explore regional space weather exercise**
- Action 29/29: publish Paris QVA Workshop summary
- **Draft Conclusion MET SG/29-01: publish MET Seminar recordings**

WP/48, paragraphs 2.14 to 2.17

Outcomes from MET SG/28

- **Action 28/18 invites ATM SG to integrate MET into the APAC Seamless ANS Plan**
- Current plan lacks en-route MET requirements critical for flight safety
- **Invites inclusion of operationally relevant MET elements in future updates**
- **Action 28/27 calls for cross-disciplinary planning for geophysical hazards**
- Gap in guidance for earthquake impacts on aerodromes and aircraft
- **MET SG requests collaboration with ATM and AOP SGs on contingency procedures**

WP/48, paragraphs 2.18 to 2.19

Action by the Meeting

- Endorse six key **Draft Conclusions**:
 - Publishing MET Seminar recordings (**MET SG/29-01**)
 - Managing obsolete guidance documents (**MET SG/29-02**)
 - Establishing an IWXXM update notification process (**MET SG/29-03**)
 - Sharing turbulence reports (**MET SG/29-05**)
 - Est. group to address long-standing deficiencies (**MET SG/29-08**)
 - Enabling airline use of QVA (**MET SG/29-15**)

WP/48, paragraph 3.1

Action by the Meeting (cont.)

- Consider three **ATM/SG actions**:
 - Propose a joint space weather exercise to test contingency planning
 - Integrate en-route MET requirements into the APAC Seamless ANS Plan
 - Collaborate with APANPIRG Sub-Groups on geophysical hazard preparedness
- Strengthen coordination and operational readiness

WP/48, paragraph 3.1

Thank You

