

Proposed Activities for the 2027 Work Programme

A. Aeronautical Meteorological Information Digital Transformation

A1. Develop and implement a regional METNO mechanism for the coordinated management of OPMET changes, in accordance with the proposal presented by the United States.

Expected Outcome

- Regional METNO proposal.
- Regional procedure for OPMET change notification and management.

A2. Maintain coordination with the COMM/TF to support regional IWXXM implementation and contribute to the follow-up of NACC/WG/10 Decision 04 on OPMET IWXXM data dissemination.

Expected Outcome

- Progress report to NACC/WG/11.
- Joint MET/TF-COMM/TF technical recommendations.

A3. Develop regional activities supporting the operational implementation and transition to WIFS API for users in the NAM/CAR Regions.

Expected Outcome

- Regional training activities.
- Implementation material shared with the Region.
- Exchange of implementation experiences.

B. Aircraft-Based Observations (ABO)

B1. Continue identifying and documenting regional capabilities, initiatives, and experiences related to AMDAR, ADS-C, Mode S EHS, MRAR, and other aircraft-based meteorological observation sources.

Expected Outcome

- Regional technical reference document.
- Regional capabilities and initiatives documented.

B2. Maintain technical coordination with SURV/TF, AMCB/TF, WMO, and the ABO Programme to support regional aircraft-based observation initiatives.

Expected Outcome

- Coordinated activities identified.
- Joint contributions among regional groups.

C. MET Quality, Oversight and Governance

C1. Collect and share methodologies used by States for evaluating the accuracy of observations and forecasts, in accordance with Annex 3 and PANS-MET provisions.

Expected Outcome

- Regional compendium of methodologies and performance indicators.

C2. Develop regional activities related to the transition to ISO 9001:2026 for aeronautical meteorological service providers.

Expected Outcome

- Regional training activities.
- Reference material for MET providers.

C3. Update and share regional guidance on Meteorological Authorities and Meteorological Service Providers.

Expected Outcome

- Updated guidance material disseminated.
- Implementation experiences shared.

C4. Support the implementation and verification of Basic Building Blocks (BBB) applicable to aeronautical meteorology.

Expected Outcome

- BBB verification reference material.
- Contribution to the MET report for NACC/WG/11.

D. Volcanic Ash Information

D1. Support the implementation and dissemination of VONA in IWXXM format, leveraging the mechanisms, tools, and experiences presented by the United States.

Expected Outcome

- Regional guidance material.
- Documented implementation cases.
- Exchange of implementation experiences.

D2. Strengthen regional coordination among SVOs, MWOs, and VAACs to support the implementation of VONA and QVA and the management of volcanic events.

Expected Outcome

- Regional coordination practices and arrangements documented.

D3. Develop regional familiarization activities on the QVA service and its operational use by aviation users.

Expected Outcome

- Regional training activities.
- Guidance material for aviation users.

E. Operational Resilience

E1. Document applications of aeronautical meteorological and climatological information supporting ATM, ATFM, strategic planning, capacity management, and operational resilience.

Expected Outcome

- Regional compendium of operational applications and use cases.

E2. Identify ATM/ATFM operational requirements related to aeronautical meteorological products and services, including needs associated with turbulence, wind shear, convection, and forecast quality.

Expected Outcome

- Consolidated document of operational requirements.

E3. Explore the integration of Multi-Hazard Early Warning Systems (MHEWS) in support of Airport Emergency Planning (AEP), ATS Contingency Plans, and aviation operational continuity.

Expected Outcome

- Identified regional application cases and experiences.

F. Regional Operational Coordination

F1. Maintain the SIGMET Ad Hoc Group to support regional harmonization and coordination among adjacent FIRs.

Expected Outcome

- Progress report.
- Regional SIGMET coordination recommendations.

F2. Support the implementation and operational use of NWSSchat for regional coordination of significant meteorological phenomena and volcanic events, leveraging Mexico's implementation experience and the initiatives under development with Honduras.

Expected Outcome

- Documented implementation cases.
- Shared operational procedures.
- Increased regional use of NWSSchat for operational coordination.

G. Capacity Development

G1. Coordinate with ET-AVI regional familiarization activities on SWIS for aviation users in the NAM/CAR Regions.

Expected Outcome

- Regional training activities.
- Guidance material for aviation users.