

FLIMSY (FL/02)

Agenda Item 5: Future work program and terms of reference

REVIEW AND UPDATE OF THE MET/R WG TERMS OF REFERENCE AND WORK PLAN

(Presented by the Secretariat)

1. INTRODUCTION

1.1. This paper supports the review of the MET/R WG Terms of Reference (ToR) and work plan in light of the evolving transition toward next-generation, data-centric meteorological (MET) information services and the need for strengthened coordination with ATM and ATFM stakeholders.

1.2. Flimsy 1 invited the group to review and propose updates to relevant sections of the ToR to ensure continued relevance and alignment with these developments, for further consideration by the Meteorology Sub Group (MET SG).

1.3. In this context, WP/06 invited the meeting to review the current MET/R WG ToR and work plan and to agree on any necessary updates for submission to MET SG for possible approval.

2. DISCUSSION

2.1. The meeting recalled Action Item MET/R WG/13-17, arising from WP/02, which tasked the Chair and the Secretariat with reviewing the terminology used to describe MET service users. The objective of this review was to ensure that the MET/R WG ToR adequately reflect and address the needs of all MET service users, including those specified in ICAO Annex 3, paragraph 2.1.2, that may fall outside the scope of the ATM definition (i.e. air traffic services, airspace management, and air traffic flow management).

2.2. The proposed updates aim to:

- better reflect the shift toward digital and data-centric MET information services;
- strengthen coordination and alignment with ATM, ATFM, and related operational stakeholders; and
- ensure inclusive and accurate terminology that captures the full range of MET service users.

2.3. Proposed amendments to the ToR addressing these matters are provided in the **Appendix** to this paper.

3. ACTION BY THE MEETING

3.1. The meeting is invited to:

- a) review the proposed updates to the MET/R WG Terms of Reference and work plan contained in the Appendix; and
- b) agree on and adopt any necessary revisions for submission to the Meteorology Sub-Group for further consideration and possible approval.

APPENDIX

MET/R WG TERMS OF REFERENCE

(Note: Proposed updates are indicated with ~~strikethrough~~ and highlighted text)

OBJECTIVE

Improve safety, efficiency, ~~and sustainability~~ resilience and environmental sustainability of air traffic management (ATM) operations and other aeronautical activities by ~~providing meteorological (MET) information~~ enabling the provision and effective use of fit-for-purpose, interoperable meteorological (MET) information services, including data-centric services, needed to meet current and future requirements of the ATM system, including trajectory-based operations, collaborative ATFM and SWIM-enabled environments, and all MET service users.

FUNCTIONS AND DELEGATED AUTHORITY

Under guidance from the ICAO Secretariat, support the MET SG to assist APANPIRG in its planning and implementation work by carrying out designated tasks on specifically defined problems, taking into account the needs of all MET service users, including those identified in ICAO Annex 3, paragraph 2.1.2, and not limited to ATM stakeholders, including:

- a) Coordinate ~~with~~ systematically and proactively with other relevant contributory bodies of APANPIRG, in particular ATM/SG and ATFM/SG, to ensure early, continuous and use-case-driven alignment of MET information services with ATM and ATFM operational needs across strategic, pre-tactical and tactical time horizons.
- b) Recommend updates to the Asia/Pacific Regional Air Navigation Plan and other regional guidance material as necessary, based on analysis and evaluation of the current and future requirements for MET information in support of ATM, as well as ATM information required to support the provision of MET services.
- c) Facilitate the exchange of expertise in the Asia/Pacific Region on the integration of ~~MET information~~ data-centric, service-oriented MET information into ATM systems to support collaborative decision making (CDM), increasing levels of automation, and the migration of MET information into the SWIM environment.
- d) Facilitate the monitoring and implementation of ~~the sub-regional exchange of MET information (including in digital format)~~ regional and sub-regional exchange of MET information, including digital and machine-readable services, and associated inter-agency agreements, with emphasis on interoperability, common data models, governance arrangements and service performance, in line with the priorities defined in the ASIA/PAC Seamless ATM Plan.
- e) Promote coordination between the MET and ATM communities in the Asia/Pacific Region to enhance the level of understanding of MET requirements, capabilities and limitations, in support of ATM.
- f) Report to the MET SG for further coordination through the ICAO Secretariat with APANPIRG and other relevant bodies.

g) Identify, document and promote MET contributions to ATM and ATFM decision-making across strategic, pre-tactical and tactical phases, including requirements related to predictability, uncertainty information, confidence indicators and impact-based decision support.

h) Support the development, maintenance and application of regional MET–ATM/ATFM operational use cases, including SWIM-based MET information services, as living references to guide implementation, maturity assessment and performance monitoring by States and stakeholders.

i) Consider and address the meteorological information requirements of all aeronautical MET service users, including but not limited to air traffic services, aircraft operators, flight crew members, aerodrome operators, search and rescue services, and other users specified in ICAO Annex 3.

MEMBERSHIP

Proposed additional note

Membership should, where practicable, ensure balanced representation of MET service providers, ATM and ATFM operational experts, system and SWIM specialists, and airspace user perspectives.

COMMUNICATION STRATEGIES

Proposed additional activity

Joint MET–ATM/ATFM technical coordination session (virtual or face-to-face), conducted as required and at least annually, under the responsibility of the Chair and Secretariat.