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SURVEY ON CURRENT AND FUTURE MET INFORMATION SERVICES TO SUPPORT ATM

Ad-hoc Group:

*Australia (Rapporteur), China,
Japan, Hong Kong China, New
Zealand, Singapore, and Thailand*

MET/R WG/9 – May 11-14 2020





History

- The **26th Meeting of the ICAO Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/26)** highlighted the need for increased collaboration to promote the provision of MET information supporting enhanced operational efficiency and safety, and ATM-MET integration in supporting enhanced operational decisions.
- As a follow-up to **APANPIRG Conclusion 26/57**, a survey was conducted by the Asia/Pacific Regional Office in October/November 2015 and the results of the survey were presented to Meteorological Sub Group (MET SG), Air Traffic Flow Management Steering Group (ATFM SG) and Air Traffic Management Sub Group (ATM SG).



Progress since then:

- **APANPIRG/28** requested a future extension of the survey to be conducted to engage States that had not responded, and that the survey to be broadened and further developed.
- At the **8th meeting of Meteorological Requirements Working Group (MET/R WG/8, Singapore, 27 to 31 May 2019)**, the Ad-hoc Group (Australia (Rapporteur), Singapore, New Zealand, China, Japan, Hong Kong China and Thailand) presented a draft survey questionnaire on the provision of current and future meteorological (MET) information services by States to support Air Traffic Management (ATM), in particular Air Traffic Flow Management (ATFM).



- The MET/R WG/8 made the decision as below:

Decision MET/R WG/8/4 – Survey of State Meteorological Information Supporting Air Traffic Management That:

- a) The members of MET/R WG should review the draft survey questionnaire and provide comment(s) to the ad-hoc group, composed of members from Australia (Rapporteur), China, Japan, Hong Kong China, New Zealand, Singapore, and Thailand, no later than 10 June 2019; and
 - b) The ad-hoc group should then finalize the survey questionnaire for review and possible approval by MET SG/23 (in June 2019) and inform ATM SG/7 (in August 2019) and then circulate the survey questionnaire for States to respond in October/November 2019.
- The ad-hoc group reviewed the questions and presented a paper to MET SG/23 in June 2019.



Action from MET SG/23 - ACTION/TASK: 23/13

- The MET SG identified that the survey was premature to adopt in its current form for distribution to States and therefore requested the ad-hoc group to continue to develop the survey questionnaire based on feedback from the meeting, including developing clearer terms of reference for the initiative and ensuring alignment with the scope of work of the MET/R WG.
- The meeting suggested doing a trial run of the survey first, to a small group, to gain feedback and make adjustments as necessary.



Next Steps:

ICAO MET/R WG/9 WP05 presents

- proposed Term of Reference (ToR); and
- revised survey questionnaire

(compiled by the Ad-hoc Group (Australia (Rapporteur), Singapore, New Zealand, China, Japan, Hong Kong China and Thailand))



Proposed Terms of Reference and revised survey questionnaire :

Purpose: The purpose of the survey is to inform ICAO (and States) of the provision of current and future meteorological (MET) information services by States specifically to support Air Traffic Management (ATM), in particular Air Traffic Flow Management (ATFM)

The survey solicits input from the MET and ATM communities and Airspace Users communities in the Asia/Pacific Region (APAC) Region with the terms of Reference (next slide) regarding the initiative and objective of the survey.



Proposed ToR of the survey:

- 1) To identify current and future meteorological requirements, in terms of the provision of MET information and communication methods, to support ATFM
- 2) To identify the types and importance of MET information for ATFM
- 3) To identify the gaps between the existing MET information services and the requirements of ATM community and Airspace Users
- 4) To identify challenges faced by States/Administrations regarding the provision of MET information to support ATFM
- 5) To identify other guidance and education material required to support States/Administrations in implementing MET information to support ATFM
- 6) To remind States/Administrations of the existence of Asia Pacific Regional Guidance for Tailored Meteorological Information and Services to Support ATM Operations document



Benefit: The survey results will assist MET/R WG to:

- 1) Understand States/Administration current status and requirements of MET information to support ATFM
- 2) Explore opportunities and enhance MET-ATM integration in APAC States/Administrations
- 3) Facilitate a coordinated approach for further improvement of MET services in support of ATM, especially ATFM in the APAC Region
- 4) Seek further input from States/Administrations on other guidance or education material required to assist the implementation of MET information service to support ATFM.



Survey Questionnaire

The survey questionnaire is available as an Attachment to WP05 –

The survey has been divided into five major parts as below:

- Governance and Legislation;
- Implementation of ATFM;
- Provision of MET Information (Current and Future);
- Communication methods by which States disseminates aeronautical MET information; and
- Education.



Distribution channel and interested parties

- The survey is expected to be first distributed to the States via the ICAO State Letter.
- However, it is expected that the survey will be conducted via an online survey tool, such as "Survey Monkey". This will allow States/Administrations to access survey efficiently and data collection more effectively.
- To collect input from **BOTH the MET and ATM communities** in the APAC Region, each State/Administration would be requested to provide at least 2 separate survey returns, one from each of the MET and ATM communities.
- State/Administrations are also encouraged to invite additional survey returns from their State-based Airspace Users such as airlines, for some of the specific questions indicated in the Questionnaire.



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Review of Survey Questionnaire



Actions by the Meeting:

- Review and endorse
 - i. proposed Terms of Reference
 - ii. the revised survey questionnaire
- Discuss future plans or any relevant matters as appropriate.



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