



ICAO

International Civil Aviation Organization**WORKING PAPER****Asia and Pacific (APAC)
Twelfth Meeting of the Meteorological Services
Working Group (MET/S WG/12)**

Online, 30 March to 01 April 2022

Agenda Item 2: Review of follow-up from previous meetings**FOLLOW-UP ACTION FROM MET/S WG/11**

(Presented by Secretariat)

SUMMARY

This paper presents the status of follow-up action on outcomes from the previous meeting of the Meteorological Services Working Group (MET/S WG/11) and invites the meeting to propose and endorse updates, as necessary, to the status of follow-up action recorded in the MET/S WG List of Actions.

1. INTRODUCTION

1.1 Outcomes from the Eleventh Meeting of the Meteorological Services Working Group (MET/S WG/11; online, 24 – 26 March 2021), including the conjoint session with the Nineteenth Meeting of the Meteorological Information Exchange Working Group (MET/IE WG/19), included six (6) new action items for the MET/S WG List of Actions.

1.2 The meeting will review the status of follow-up action on the outcomes from MET/S WG/11, formulate additional follow-up actions as necessary, and propose and endorse updates to the MET/S WG List of Actions.

2. DISCUSSIONMET/S WG/11 – Action Items

2.1 The action items recorded in the Report of MET/S WG/11, along with unresolved action items from previous meetings of the MET/S WG, are detailed in the MET/S WG List of Actions at the **Appendix A** to this paper.

2.2 The List of Actions indicates the status of follow-up on the action items (in the last column). Updates to the status of follow-up on the action items since the last meeting are indicated by highlighted and strike-through text. *Note: action items which the MET/S WG previously agreed are completed, superseded (by other activities), closed or redundant, are removed from the list.*

3. ACTION BY THE MEETING

3.1 This paper invites the meeting to:

- a) Review the MET/S WG List of Actions, including the status of follow-up on the action items (as indicated at the **Appendix A** to this paper);
- b) Propose further updates, as necessary, to the status of follow-up on action items in the MET/S WG List of Actions; and
- c) Endorse the proposed updates to the status of follow-up on action items in the MET/S WG List of Actions.

APPENDIX A

MET/S WG – LIST OF ACTIONS

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

Action items recorded by conjoint session of MET/IE WG/19 and MET/S WG/11

ACTION ITEM	DESCRIPTION	BY DATE	RESPONSIBILITY	STATUS/ REMARKS
01	State letter request to user States to ensure the relevant operational units participate in the VAAC back-up tests and provide the VAACs with their current, valid AFTN addresses for receipt of the VAA messages. [Ref: para. 1.1.-1.3., MET/IE WG/19 and MET/S WG/11 conjoint session]	Before next scheduled test	Australia, New Zealand, Secretariat	To commence
02	Investigate possible improvements to the template for the SIGMET test summary table to enable a more detailed analysis of the SIGMET tests, including analysis of more than one WC and/or WV SIGMET test message issued by the same MWO (which receives TCA and/or VAA from more than one TCAC and/or VAAC). [Ref: para. 2.16., MET/IE WG/19 and MET/S WG/11 conjoint session]	Before next scheduled test	SIGMET test Focal Points, Secretariat	To commence

Action items recorded by MET/S WG/11

ACTION ITEM	DESCRIPTION	BY DATE	RESPONSIBILITY	STATUS/
01	State letter to: a) Inform SADIS user States of the need to make necessary systems changes to integrate the new 0.25 degree WAFS hazard data into their SADIS user systems and software; b) Invite States to inform ICAO of any need for related technical assistance. [Ref: para. 2.9., MET/S WG/11]	MET SG/25	Secretariat	To commence Completed; S/L Ref.: T 4/8.2 – AP129/21 (MET), 15 July 2021
02	State letter to: a) Inform States of the need to prepare for the proposed WAFS and SADIS changes planned for November 2023; and b) Invite States to inform ICAO of any need for related technical assistance. [Ref: para. 2.15., MET/S WG/11]	MET SG/25	Secretariat	To commence In progress; Decision MET SG/24-07
03	Working paper and Draft Conclusion (for submission to MET SG/25) highlighting to States the requirements for dissemination of the space weather advisory information and requesting information from States (possibly in coordination with the survey being developed by MET/R WG) on the status of implementation of the dissemination of the space weather advisory information. [Ref: para. 3.2., MET/S WG/11]	MET SG/25	Australia, China, Japan, Secretariat	To commence Completed; MET SG/25, WP/17 and Draft Conclusion MET SG/25-09; APANPIRG Conclusion 32/13
04	Continue to develop the proposed guidance for possible inclusion in the APAC Regional SIGMET Guide on SIGMET issuance where volcanic ash is forecast to cross FIR boundaries, taking into consideration the need for input from the end user community and consider global coordination with ICAO regions. [Ref: para. 6.2.-6.3., MET/S WG/11]	MET SG/25	Ad hoc group	In progress

Unresolved action items recorded by MET/IE WG/18 and MET/S WG/10

The following action items are applicable to one or both of the MET/IE WG and MET/S WG

ACTION ITEM	DESCRIPTION	BY DATE	RESPONSIBILITY	STATUS/ REMARKS
Terms of Reference and Work Program				

ACTION ITEM	DESCRIPTION	BY DATE	RESPONSIBILITY	STATUS/REMARKS
01	Terms of Reference and Work Program – online coordination: Make use of regular online coordination meetings to facilitate progress on follow-up on the action items in the Task List/s [ref: para. 2.3. and 7.3.]	As necessary	Secretariat and WG Chairs and members	IN PROGRESS 13 August 2020, 10 December 2020 Superseded; included in MET WG work plan; MET Chairs Coordination Meeting in ToR
OPMET Monitoring				
07	OPMET performance indices – States’ follow-up: Inform States concerned of the locations with low performance indices and advise the States to take appropriate corrective actions; address the above communication also the Regional OPMET Centres (ROCs) responsible for the collection of OPMET messages from the originating stations [ref: para. 3.4. and 3.5.]	Sep 2020	Secretariat	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 1 and Activity 2 Superseded; included in MET/IE WG work plan, Activity 1.8 and 2.6
IWXXM implementation				
11	IWXXM implementation – FAQs: Prepare and publish an “FAQ”-type resource taking into consideration the IWXXM-related matters discussed in the meeting and the considerable information collated from previous IWXXM workshops and related activities [ref: para. 3.28.]	Before and (update) after IWXXM Webinar	Secretariat and MET/IE WG	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 7 Completed; Conclusion MET SG/25-01
Regional Guidance Materials				
13	ROBEX Handbook updates – Update process: Propose options for a more streamlined process for updating the ROBEX Handbook data, such as through the development of a more dynamic, online repository for ROBEX data [ref: para. 4.4.]	Before MET SG/24	MET/IE WG	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 6
14	ROBEX Handbook updates – IWXXM-related data: Investigate the development of an online repository for ROBEX data in which States would share and maintain up to date information on the IWXXM-capabilities of the ROBEX scheme and the AMHS addresses to support the required dissemination of IWXXM messages [ref: para. 4.6.]	Before MET SG/24	MET/IE WG	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 6
15	ROBEX Handbook updates – IWXXM-related flexibility: Propose updates, as necessary, to reflect APAC States’ requirement for flexibility of the ROBEX scheme structure during the transition to Region-wide implementation of IWXXM exchange [ref: para. 4.7.]	Before MET SG/24	MET/IE WG	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 6
18	ROBEX Handbook and SIGMET Guide updates – Legacy FASID information: Prepare the consequential updates of the required information from the legacy FASID Tables relating to meteorology, apart from Table MET 1A, Table MET 1B and Table MET 3C, and the existing ICAO APAC regional guidance documentation, according to the proposal in WP/11 and the Draft Decision [ref: para. 4.16.]	Before MET SG/24	Secretariat and States	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 6
19	ANP and ROBEX Handbook updates – Vietnam NOC: Coordinate on the implementation of the Vietnam NOC, including development of proposed updates to the APAC ANP and ROBEX Handbook [ref: para. 3.7.]	As necessary	Vietnam and Thailand	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 6
20	ANP and ROBEX Handbook updates – Indonesia new aerodromes: Determine any requirement (based on IP/09) to update the ICAO APAC ANP and/or ROBEX Handbook [ref: para. 8.27.]	Before MET SG/24	Secretariat and Indonesia	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 6

ACTION ITEM	DESCRIPTION	BY DATE	RESPONSIBILITY	STATUS/REMARKS
21	ANP updates – State Volcano Observatories: Designate an ad-hoc group consisting of the Secretariat and members from the VAACs and RODBs to identify the APAC States with active or potential active volcanoes, which do not have a designated State volcano observatory listed in the APAC ANP, Vol I, Table MET I-1; conduct the necessary coordination to facilitate the States concerned with the designation of a State volcano observatory and listing it in the APAC ANP; coordinate the action above with the development of a comprehensive proposal for amendment of the ANP to reflect APAC States' current requirements for State volcano observatories [ref: para. 4.17., 8.3. and 8.4.]	Before MET SG/24	MET/S WG and Secretariat	IN PROGRESS
SIGMET test				
28	SIGMET test results – corrective action plan: Investigate the reason for the reduced reception of SIGMET test messages at Regional OPMET Centre (ROC) London compared to APAC RODB's and share the results with MET/S for potential corrective action [ref: para. 6.12.]	Before MET SG/24	MET/IE WG	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 3 <u>AND</u> Ref: MET/S WG, 5. Work Plan, Activity 3
Other				
30	VAAC back-up test procedures – review and update: Refer to the pertinent information from IP/08 and determine appropriate action for the next review and update of the VAAC back-up test procedures [ref: para. 8.25.]	Before MET SG/24	MET/IE WG and MET/S WG	IN PROGRESS Ref: MET/IE WG, 5. Work Plan, Activity 4
31	Special air-reports – promoting issuance of: Continue to coordinate the required follow-up action (outstanding action item no. 8) concerning promoting the issuance of special air-reports; publicise by way of State letter (and/or other channels) the importance of exchanging special air-reports between airlines, ATS units and MWOs (and aerodrome meteorological offices) [ref: para. 7.2. and 8.21.]	Before MET SG/24	Secretariat	IN PROGRESS Not in MET/IE WG or MET/S WG Work Program [Action Item MET/R WG 9/1]; Webinar on Special Air-Reports, 17 June 2021
32	Air navigation deficiencies – resolution of: Continue to support States, as necessary, such as Nepal, with developing and implementing their corrective action plans for the resolution of air navigation deficiencies [ref: para. 9.4.]	Before MET SG/24	Secretariat	IN PROGRESS Ref: MET/S WG, 5. Work Plan, Activity 6
33	WAFS and SADIS – preparation for proposed changes: Develop appropriate actions in the work program to facilitate States' awareness of and planning for the proposed (WP/25) WAFS and SADIS changes in November 2023 [ref: para. 10.5.]	Before MET SG/24	MET/S WG	IN PROGRESS Not in MET/IE WG or MET/S WG Work Program

Unresolved action items recorded by MET/S WG/09

ACTION ITEM	DESCRIPTION	BY DATE	RESPONSIBILITY	STATUS/REMARKS
9/5	<p>Submit a proposal to MET/SG/23 for further review and possible adoption of the proposed update to the Asia/Pacific Regional SIGMET Guide developed by the designated ad-hoc group, incorporating the consequential changes identified by the meeting arising from the following:</p> <ul style="list-style-type: none"> i. Development of MWO Phnom Penh in Cambodia (MET/IE WG/17 – WP/03, Appendix II, refers); ii. Proposals made by Australia in relation to WV SIGMET (MET/IE WG/17 – MET/ S WG/9 – WP/C4, para. 3.1, (b) and (c), refers); and iii. Introduction of space weather advisory information (MET/IE WG/17 – WP/05, para. 3.1 (c), refers). <p><i>[Report of MET/S WG/9, para. 6.8 – 6.9, refers]</i></p>	17 Jun 2019	Designated ad-hoc group and Secretariat	<p>IN PROGRESS:</p> <p>i. COMPLETED</p> <p>ii. IN PROGRESS</p> <p>pending ICAO follow-up on Australian MWO updates in ANP Vol. II</p> <p>iii. COMPLETED</p> <p>pending minor update to para. 2.7.1, to change 'Appendix K' to 'Appendix L'</p> <p>Note: amendment of ANP Vol. II pending</p>
