



International Civil Aviation Organization

**THIRTEENTH MEETING OF THE ASIA/PACIFIC REGIONAL OPMET
BULLETIN EXCHANGE WORKING GROUP (ROBEX WG/13)**

Seoul, Republic of Korea, 16 – 18 March 2015

Agenda Item 2: Review of follow-up from previous meetings

FOLLOW-UP TO ACTION ARISING FROM ROBEX WG/12

(Presented by the Secretariat)

SUMMARY

This paper presents an overview of the status of follow-up to the agreed action at the twelfth meeting of the Regional OPMET Bulletin Exchange Working Group (ROBEX WG/12), held in Beijing, China, from 17 to 19 March 2014.

1. INTRODUCTION

1.1 Regular and reliable meteorological information is a key enabler for air traffic efficiency (pre-flight planning) and safety (in-flight re-planning). The main objective of the Regional OPMET Bulletin Exchange Working Group (ROBEX WG) is to improve OPMET availability and reliability in the Asia/Pacific in support of increased safety and efficiency of the global air traffic system.

1.2 The twelfth meeting of the Regional OPMET Bulletin Exchange Working Group (ROBEX WG/12) was held in Beijing, China, from 17 to 19 March 2014; including a conjoint session with the fourth meeting of the Meteorological Hazards Task Force (MET/H TF/4) on 19 March 2014. As well as progressing work on the ROBEX WG work plan, ROBEX WG/12 agreed to fourteen additional action items that would contribute towards the overall objectives of the group.

2. DISCUSSION

2.1 A table summarizing the status of follow-up to the ROBEX WG/12 agreed action is provided in the **Attachment** to this paper.

2.2 With respect to agreed action 12/1, the meeting is advised that WP/10 (presented by the Secretariat) aims to highlight issues identified by the results of IATA OPMET monitoring and to help States, RODBs and ICAO to coordinate in addressing those issues concerning Asia/Pacific OPMET availability in SADIS and WIFS.

2.3 As follow-up to agreed action 12/2, the meeting is reminded that a couple of States (Australia and United States) provided information to the MET SG/18 meeting (August 2014) on activities and plans related to implementation of digital OPMET exchange (MET SG/18: IP/22, IP/26 and WP/18 refer). Further discussion on this issue is provided to ROBEX WG/13 in IP/4 (presented by ROK), WP/12 (presented by Australia), IP/6 (presented by Thailand), IP/7 (presented by Singapore) and WP/14 (presented by the Secretariat).

2.4 With respect to agreed action 12/3; RODBs are invited to provide the meeting with a status update on relevant follow-up activities.

2.5 In relation to agreed action 12/4, 12/5 and 12/8; WP/15 and WP/16 (presented by Secretariat) provide the meeting with consolidated updates to the ROBEX Handbook and ICD for further consideration.

2.6 Follow-up to agreed action 12/6 is addressed in WP/17 (presented by Secretariat) with the removal of references to 9- and 18-hour TAF in the draft APAC eANP.

2.7 With respect to agreed action 12/7; FASID Table MET 6 was updated on 28/03/2014 to reflect the current requirement for WIFS in Malaysia as the primary Internet-based service for the provision of WAFS and OPMET information.

2.8 As follow-up to agreed action 12/9 and 12/13, the meeting is invited to review the draft proposal for amendment in WP/17 (presented by Secretariat) that would address the need to realign FASID Tables MET 1B, MET 3A and MET 3B with respect to current requirements for MWOs at Cairns and Townville.

2.9 Agreed action 12/10, 12/11 and 12/14 are addressed in WP/C5 (presented by the Secretariat) for further consideration by the conjoint session of ROBEX WG/13 and MET/H TF/5.

2.10 The meeting is advised that agreed action 12/12 will be completed following the review of a consolidated list of SIGMET test errors presented in WP/C4 (presented by Secretariat) proposed for circulation to States concerned.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the information in this paper; and
- b) With the exception of agreed action 12/3, note that follow-up to the agreed action at ROBEX WG/12 is either in progress or completed.

ATTACHMENT

FOLLOW-UP OF ROBEX WG/12
AGREED ACTION

Status on 11 March 2015

(✓ = completed)

No.	Title/description	Follow-up action (target/completion dates in brackets)
12/1	<p>Improvement of OPMET availability on SADIS and WIFS</p> <p>Identify and address issues where OPMET availability on SADIS and WIFS did not meet the requirements of IATA.</p>	<p>RODBs in coordination with the Secretariat to investigate the results of IATA OPMET monitoring (on SADIS and WIFS) and address issues such as incorrect distribution lists or misalignment of requirements in the FASID Table MET 2A. Secretariat to coordinate with States to address the issues related to specific locations (June 2014).</p> <p>IN PROGRESS; Proposals for follow-up on OPMET availability issues provided for further consideration by ROBEX WG/13 in WP/10 (presented by Secretariat).</p>
12/2	<p>Facilitating the implementation of digital exchange in the APAC Region</p> <p>Report on the activities, plans and identified implementation issues with respect to the exchange of OPMET in a digital form.</p>	<p>Secretariat to coordinate with States a comprehensive report of the activities, plans and identified implementation issues with respect to the exchange of OPMET in a digital form for the next meeting of the MET SG (June 2014).</p> <p>IN PROGRESS; MET SG/18 considered WP/18 (presented by Secretariat), IP/22 (presented by United States) and IP/26 (presented by Australia). Further discussion is provided for ROBEX WG/13 in IP/4 (presented by ROK), WP/12 (presented by Australia), IP/6 (presented by Thailand), IP/7 (presented by Singapore) and WP/14 (presented by the Secretariat).</p>
12/3	<p>Verification and validation of the exchange of OPMET</p> <p>Verify and validate the exchange of OPMET in the APAC Region using a set of test data.</p>	<p>RODBs to construct a test dataset, perform calculations, compare results and to standardize (report to next meeting).</p>
12/4	<p>ROBEX Handbook updates</p> <p>Develop and publish updates to the ROBEX Handbook.</p>	<p>Ad-hoc group comprising RODB experts to progress the required ROBEX Handbook updates as discussed under agenda item 5 of the Report; Secretariat to publish the updates (June 2014).</p> <p>IN PROGRESS; ROBEX Handbook updates for consideration by ROBEX WG/13 provided in WP/15 (presented by Secretariat).</p>

No.	Title/description	Follow-up action (target/completion dates in brackets)
12/5	<p>ICD updates</p> <p>Develop and publish updates to the ICD.</p>	<p>RODBs to provide updates for their respective appendices in the ICD; Secretariat to publish the updates (June 2014).</p> <p>IN PROGRESS; ICD updates for consideration by ROBEX WG/13 provided in WP/16 (presented by Secretariat).</p>
12/6	<p>Requirement for aerodrome forecasts in TAF code in FASID Tables MET 1A and MET 2A</p> <p>Verify the inclusion of TAF with validity 9 hours and 18 hours in the explanation of the FASID Tables MET 1A and MET 2A.</p>	<p>Secretariat to determine whether an appropriate amendment proposal would be required to remove references to 9 hours and 18 hours validity TAF in the FASID Tables MET 1A and MET 2A (June 2014).</p> <p>✓</p> <p>This should be considered in the adoption of the new eANP based on the new ANP template approved by the Council, which includes provisions in Vol II, Part V (MET), 2.5 for TAF of 9-, 24- and 30-hour validity, and in Table MET II-2 for TAF of 9-, 18/24- and 30-hour validity. As amendment of Vol II does not require approval by the Council, the removal of references to 9- and 18-hour TAF have been included in the draft APAC eANP for consideration by ROBEX WG/13 in WP/17 (presented by Secretariat).</p>
12/7	<p>Review of FASID Table MET 6</p> <p>Review FASID Table MET 6 for possible inconsistencies in the requirements specified for Malaysia.</p>	<p>Secretariat to ensure the latest version of FASID Table MET 6 reflects current requirements (June 2014).</p> <p>✓</p> <p>FASID Table MET 6 (updated 28/03/2014) reflects current requirements for WIFS in Malaysia as the primary Internet-based service for the provision of WAFS and OPMET information.</p>
12/8	<p>Updates to ROBEX Handbook</p> <p>Update the ROBEX Handbook to realign with amendments to FASID Tables MET 1A and MET 2A with respect to locations in Indonesia.</p>	<p>Secretariat to include updates to realign the ROBEX Handbook with amendments to FASID Tables MET 1A and MET 2A with respect to locations in Indonesia are included in the ROBEX Handbook updates (Agreed Action 12/4 refers) (June 2014).</p> <p>IN PROGRESS; ROBEX Handbook updates for consideration by ROBEX WG/13 provided in WP/15 (presented by Secretariat).</p>

No.	Title/description	Follow-up action (target/completion dates in brackets)
12/9	<p>Amendment to FASID Tables MET 1B, MET 3A and MET 3B</p> <p>Amendment to FASID Tables MET 1B, MET 3A and MET 3B concerning MWOs Cairns and Townville.</p>	<p>Secretariat in coordination with Australia to develop and process an amendment proposal to FASID Tables MET 1B, MET 3A and MET 3B concerning MWOs Cairns and Townville (June 2014).</p> <p>IN PROGRESS; draft proposal for amendment of FASID provided in WP/17 (presented by Secretariat) for endorsement by the group.</p>
12/10 (MET/H TF 4/1)	<p>SIGMET Guide/VAAC back-up test procedures</p> <p>VAAC back-up test procedures between Wellington and Darwin to be included in the next amendment or edition of the APAC Regional SIGMET Guide</p>	<p>Secretariat to include VAAC back-up test procedures in SIGMET Guide</p> <p>(Target date TBD in 2014, in coordination with ad-hoc group's revision of SIGMET Guide for presentation to MET SG/18)</p> <p>IN PROGRESS; SIGMET Guide updates for consideration by conjoint session of ROBEX WG/13 and MET/H TF/5 provided in WP/C5 (presented by Secretariat).</p>
12/11 (MET/H TF 4/2)	<p>SIGMET Guide/SIGMET test procedures</p> <p>a) List of WMO headings for SIGMET bulletins used by APAC MWOs (to be used for compilation of SIGMET test results) to be updated to reflect the limitations in WC SIGMET issuance from certain MWOs as notified by States in the next amendment or edition of the APAC Regional SIGMET Guide; and</p> <p>b) Specific guidance for the issuance of test WC/WV SIGMET when a test advisory message for tropical cyclone/volcanic ash is not received to be included in the SIGMET test procedures in the next amendment or edition of the APAC Regional SIGMET Guide.</p>	<p>Secretariat to include (a) updated information on WC SIGMET issuance and (b) specific guidance for non-receipt of test advisory messages in SIGMET tests in SIGMET Guide</p> <p>(Target date TBD in 2014, in coordination with ad-hoc group's revision of SIGMET Guide for presentation to MET SG/18)</p> <p>IN PROGRESS; SIGMET test procedures (circulated 15/10/2014). SIGMET Guide updates for consideration by conjoint session of ROBEX WG/13 and MET/H TF/5 provided in WP/C5 (presented by Secretariat).</p>
12/12 (MET/H TF 4/3)	<p>SIGMET test results</p> <p>a) ICAO State letter urging States to resolve the errors identified in the 2013 SIGMET tests (reported by Japan and Singapore and provided in Attachments C3 and C4 to the Report); and</p> <p>b) States to advise ICAO on any issues that cannot be resolved or require further coordination/assistance to address the SIGMET test errors.</p>	<p>(a) Secretariat to issue State letter (April 2014)</p> <p>(b) States respond if necessary (June 2014)</p> <p>IN PROGRESS; SIGMET test errors from 2013 SIGMET tests (reported by Japan and Singapore) now presented for consideration by conjoint session of ROBEX WG/13 and MET/H TF/5 in WP/C4 (presented by Secretariat) and may be circulated to States with errors from 2014 SIGMET tests.</p>

No.	Title/description	Follow-up action (target/completion dates in brackets)
12/13 (MET/H TF 4/4)	<p>Proposal for amendment of FASID Table MET 1B – Cairns (YBCS)</p> <p>Update the regional air navigation plan, FASID Table MET 1B, to remove the requirement for MWO services at Cairns (YBCS) – in line with current requirements.</p>	<p>Secretariat (in coordination with Australia) to prepare and process the PfA (June 2014)</p> <p>IN PROGRESS; draft proposal for amendment of FASID provided in WP/17 (presented by Secretariat) for endorsement by the group.</p>
12/14 (MET/H TF 4/5)	<p>Draft Asia/Pacific Regional SIGMET Guide (5th Edition)</p> <p>Comprehensive revision of the draft Asia/Pacific Regional SIGMET Guide (5th Edition) based on the suggested changes in Attachments C5, C6 and C7 to the Report.</p>	<p>Ad-hoc group comprising Australia (Rapporteur), Hong Kong-China, Japan, New Zealand and ICAO to produce the revised draft Asia/Pacific Regional SIGMET Guide (5th Edition) and forward to the Secretariat for inter-regional coordination then to the MET SG for further consideration (June 2014).</p> <p>IN PROGRESS; SIGMET Guide updates for consideration by conjoint session of ROBEX WG/13 and MET/H TF/5 provided in WP/C5 (presented by Secretariat).</p>
