



International Civil Aviation Organization

**SIXTEENTH MEETING OF THE  
COMMUNICATIONS/NAVIGATION/SURVEILLANCE AND  
METEOROLOGY SUB-GROUP (CNS/MET SG/16) OF APANPIRG**

Bangkok, Thailand, 23 – 27 July 2012

---

**Agenda Item 17:          Review of deficiencies in the CNS and MET fields**

2) status of MET deficiencies (APANPIRG Deficiency List)

**MET DEFICIENCIES UPDATE**

(Presented by the Secretariat)

**SUMMARY**

This paper provides the meeting with updates to MET deficiencies listed in the APANPIRG list of deficiencies.

This paper relates to –

**Strategic Objective:**

**A: Safety** - *Enhance global civil aviation safety*

**Global Plan Initiatives:**

GPI-18 Aeronautical information  
GPI-19 Meteorological Systems

**1. Introduction**

1.1 This paper provides the meeting with a review and updates of the MET deficiencies listed in the APANPIRG air navigation deficiencies data base, which was last updated as a result of APANPIRG Conclusion 22/51 to add the SIGMET deficiency for lack of SIGMET in the equatorial region. There are now 20 MET deficiencies listed in this data base, which can be accessed at the following web address: <http://www.bangkok.icao.int/>.

**2. Discussion**

DPR Korea

2.1 Following the establishment of Sunan MWO in (2009) and the subsequent issuance of SIGMET on a regular basis, the APANPIRG/22 meeting agreed that if DPR Korea continued issuance of SIGMET in accordance to Annex 3 for another six months and if DPR Korea participated in the ASIA/PAC SIGMET tests in November 2011, the deficiency (AP-MET-16) concerning the establishment of a MWO and the issuance of SIGMET would be considered for removal from the list.

**Agenda Item 17 (2)**

23/07/12

The SIGMET test results from November 2011, as provided by Singapore at the OPMET/M TF/10 meeting in April 2012, showed that SIGMET were received from Sunan MWO, although with some errors due to missing WMO headers. The SIGMET test results also indicated that Sunan MWO was required to update its SIGMET dissemination lists to include Tokyo and Nadi RODBs, which did not receive the test SIGMETs issued by Sunan MWO. It should be noted, however, that SIGMET test errors and remedies are reported back for States' awareness and to facilitate the implementation of the required remedial work. China reported that DPR Korea participated in the SIGMET advisory trial in Asia, from 4 May to 30 July 2011, issuing a total of 4 SIGMETs (in response to SIGMET advisories) and all 4 SIGMETs issued without formatting errors. Provided the meeting and airline representation are satisfied with these results, the meeting may consider the following draft Conclusion:

**Draft Conclusion 16/x – APANPIRG Deficiency AP-MET-16**

That, the APANPIRG deficiency on the establishment of a MWO and the issuance of SIGMET for DPR Korea (AP-MET-16) be removed from the list of APANPIRG deficiencies.

Indonesia

2.2 Indonesia is invited to update the meeting on progress initially reported at the OPMET/M TF/10 meeting in April 2012 regarding a Letter of Agreement signed in January 2012 in accordance with the corrective action plan to address the deficiency (AP-MET-03) concerning information on volcanic activity not provided regularly to ATS units and MWOs. Provided the meeting and airline representation are satisfied with the results, the meeting may consider the following draft Conclusion:

**Draft Conclusion 16/x – APANPIRG Deficiency AP-MET-03**

That, the APANPIRG deficiency for information on volcanic activity not provided regularly to ATS units and MWOs in Indonesia (AP-MET-03) be removed from the list of APANPIRG deficiencies.

2.3 Indonesia is also invited to update the meeting on progress in developing procedures for issuance of SIGMET for volcanic ash compliant with ICAO provisions for possible removal of the deficiency (AP-MET-06) concerning SIGMET for volcanic ash not issued according to the requirements.

Cambodia

2.4 Cambodia is invited to update the meeting on progress with regards the establishment of Phnom-Penh MWO for possible removal of the deficiency (AP-MET-11) concerning establishment of a MWO, providing that the functions of a MWO are met and noting that SIGMET for the Phnom Penh FIR is provided by China under a bi-lateral agreement.

2.5 Cambodia is also invited to update the meeting on progress with regards implementation of SADIS FTP for possible removal of the deficiency (AP-MET-09) concerning lack of flight documentation and, in particular, WAFC forecasts, noting that Cambodia expected to have SADIS FTP operational in 2011 and may require training from a nearby State.

Kiribati, Nauru and Solomon Islands

2.6 Kiribati, Nauru and Solomon Islands are invited to update the meeting with regards installation of WIFS for receiving WAFS forecast and OPMET information for possible removal of the deficiencies (AP-MET-18, AP-MET-19 and AP-MET-20) for briefing and flight documentation not provided as required. Kiribati and Nauru are also invited to update the meeting on progress towards providing regular observations and reports, which may require installation of AWOS, for possible removal of the deficiencies (AP-MET-02 & AP-MET-21) for METAR not available on a regular basis. Solomon Islands is invited to update the meeting with regards the installation of AWOS (initially reported by New Zealand at the OPMET/M TF/10 meeting in April 2012) and any further progress towards provision of regular, calibrated observations for possible removal of the deficiency (AP-MET-01) for weather information that is inadequate and not provided on a regular basis.

Lao PDR

2.7 Following the establishment of a MWO in 2010, the issuance of SIGMET commencing March 2011 and monitoring of SIGMET by RODB Bangkok in March and April 2011, the APANPIRG/22 meeting considered that the deficiency (AP-MET-12) concerning issuance and dissemination of SIGMET should be considered for removal provided that: 1) format errors identified in monitoring have been addressed; 2) SIGMET is issued routinely when warranted, and 3) the airlines are satisfied with the results. It was recognized that further progress was warranted before removing this deficiency from the list. At the OPMET/M TF/10 meeting in April 2012, RODB Bangkok advised that only limited SIGMET had been received from Lao PDR, however at the same meeting China reported that Lao PDR participated in the SIGMET advisory trial in Asia, from 4 May to 30 July 2011, issuing a total of 18 SIGMETs. SIGMET test results from November 2011, provided by Singapore and Japan at the OPMET/M TF/10 meeting, indicated that Lao PDR did not participate in the SIGMET tests. These results may suggest that further monitoring of progress with regards implementation of SIGMET procedures is warranted for Lao PDR.

Nepal, Papua New Guinea, Solomon Islands and Nauru

2.8 The issuance of SIGMET remains a deficiency in Nepal (AP-MET-14), and was recently added (APANPIRG/22 Conclusion 22/51 refers) for Papua New Guinea (AP-MET-xx), Solomon Islands (AP-MET-xx) and Nauru (AP-MET-xx). Development of bi-lateral agreements on the issuance of SIGMET on the behalf of each State is encouraged, noting that it would require donor States.

Papua New Guinea and Tonga

2.9 Papua New Guinea and Tonga are invited to update the meeting on progress in developing procedures for the exchange of volcanic information and, in particular, the development of Letters of Agreement between meteorological services, ATS and volcano monitoring authorities, for possible removal of the deficiencies (AP-MET-04 & AP-MET-17) concerning information on volcanic activity not provided regularly to ATS units and MWOs.

Papua New Guinea and Philippines

2.10 Papua New Guinea and Philippines are invited to update the meeting on progress in developing procedures for issuance of SIGMET for volcanic ash, compliant with ICAO provisions, for possible removal of the deficiencies (AP-MET-08 & AP-MET-07) for SIGMET for volcanic ash not issued according to the requirements.

**Agenda Item 17 (2)**

23/07/12

**3. Action by the Meeting**

3.1 The meeting is invited to:

- a) note the information in this paper;
- b) provide any updates relevant to APANPIRG deficiencies in MET field; and
- c) consider the draft Conclusions to remove AP-MET-16 and AP-MET-03 from the list of APANPIRG deficiencies.

-----