



International Civil Aviation Organization

**THE THIRD MEETING OF ASIA/PACIFIC METEOROLOGICAL
HAZARDS TASK FORCE (MET/H TF/3)**

Bangkok, Thailand, 13 – 15 March 2013

Agenda Item 1b): Review of the TOR and follow-up action on the TF/2 meeting and relevant APANPIRG/23 Conclusions

REVIEW OF TOR & WORK PROGRAMME OF THE MET/H TF MEETING

(Presented by Michael Berechree, MET/H TF Chair)

SUMMARY

A review of the Terms of Reference (TOR) of the MET/H TF is presented as well as the Work Programme for review and input by the group.

1. INTRODUCTION

1.1 The meeting is reminded that the Meteorological Advisories and Warnings Implementation Task Force (METWARN/I TF) was formed as a result of a decision by the Fourteenth Meeting of the Communications/Navigation/Surveillance and Meteorology Sub-Group of the APANPIRG (CNS/MET SG/14), held in Jakarta, Indonesia from 19 to 22 July 2010, to rename the Volcanic Ash / Tropical Cyclone Implementation Task Force (VA/TC I TF) to form the new METWARN/I TF that will manage SIGMET issues as well as other aerodrome warnings (CNS/MET SG/14 Decision 14/30 refers).

1.2 Subsequently, the meeting will recall that the conjoint session of the Second meeting of the METWARN/I TF with the Tenth meeting of the OPMET Management TF (OPMET/M TF/10), held in Bangkok, Thailand, on 19 April 2012, decided a further revision of the names of MET groups was desirable and this was adopted by the Sixteenth meeting of the CNS/MET SG, held in Bangkok, Thailand, from 23 to 27 July 2012, which decided to rename the METWARN/I TF to the Hazardous Weather Task Force (HW TF) and that the TOR and Work Plan be updated by the existing chair of the group (CNS/MET SG/16 – Decision 16/34 refers).

1.3 Members of the group then made a final revision to the TF name, giving it as Meteorological Hazards Task Force (MET/H TF), which was reflected in the Future Work Programme of APANPIRG, presented in the Report on Agenda Item 5 of the Twenty-third meeting of APANPIRG, held in Bangkok, Thailand, from 10 to 14 September 2012.

2. DISCUSSION

2.1 The updated TOR, Work Program and composition of the MET/H TF are provided in the **Attachment 1** for review by the meeting.

2.2 The attributes of all MET related task forces have been standardized and can be accessed by following the links at the following website: http://www.bangkok.icao.int/apanpirg_sg.html. The standardized form contains activities to achieve milestones that may be updated by the relevant group.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review the TOR, Work Program and composition of the Task Force in **Attachment 1**;
- b) review the milestones and associated activities in **Attachment 1**; and
- c) propose any changes, as necessary, for further consideration by the 17th meeting of the MET SG in May 2013.

ATTACHMENT 1

ICAO APANPIRG MET SG
METEOROLOGICAL HAZARDS TASK FORCE (MET/H TF)

1.TASK TEAM		
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2.DESCRPTION		
Objective	Improve the quality of meteorological advisories and warnings and implement the International Airways Volcano Watch (IAVW) and International Tropical Cyclone Watch (ITCW).	

Benefits	<ul style="list-style-type: none"> • Improve in-flight safety by providing information on volcanic ash, tropical cyclone and other hazardous weather. • Improve pre-flight planning by optimizing flight routes with respect to volcanic ash, tropical cyclone and other hazardous weather phenomena.
Terms of Reference	Under guidance from ICAO Secretariat: <ul style="list-style-type: none"> • Maintain awareness of current and future requirements with respect to the issuance of meteorological advisories and warnings; • Maintain awareness of the implementation of meteorological advisories and warnings within the ASIA/PAC Region and any deficiencies; • Continually seek ways to improve the operational effectiveness of the meteorological advisory and warning system; and • Provide advice to the CNS/MET Sub-group on the above issues.
Work Program	The work to be addressed by the ASIA/PAC METWARN/I TF includes: <ul style="list-style-type: none"> • Review procedures for the issuance of meteorological advisories and warnings in the region and propose actions for their improvement to related performance objectives; • In conjunction with OPMET Management Task Force, investigate the deficiencies in the format and dissemination of meteorological advisories and warnings and propose remediation plans; • Respond to the needs of the States for guidance and/or training related to the implementation of meteorological advisories and warnings-and inform OPMET/M TF of changes required to the SIGMET guide; • In conjunction with MET/ATM TF, provide meteorological input for contingency planning for specific phenomenon including Volcanic Ash, Radioactive Cloud, Tropical Cyclone and Tsunami; • Follow the developments in the States related to the improvement of meteorological advisories and warnings and provide regional input on these matters to relevant ICAO and WMO groups and to gather user requirements from ANSPs, IATA, IFATCA and IFALPA; • Report on its work to the CNS/MET Sub-group of APANPIRG; and • Maintain a link to the Regional ATM Contingency Plan Task Force (RACP/TF).

3. COMMUNICATION STRATEGIES

Description	Target Audience	Delivery Method	Frequency/ Date	Responsibility
Work Plan	Task Force Members	Document via email and posted on ICAO Bangkok website	As required but reviewed at least quarterly	Chair
General correspondence	Task Force Members	Email	As required	Task Force Members
Task Force Meeting	Task Team Members	Meeting in conjunction with OPMET M/TF	Yearly in March	Chair
Status & Milestone Reports	ICAO Secretariat and Task Team Members	Report via email	Quarterly	Chair
Task Force Report	METWARN I/TF and OPMET M/TF	Working Paper	Yearly	Chair
Task Force Report	APANPIRG MET SG	Working Paper	Yearly	Secretariat

4. PERFORMANCE FRAMEWORK FORM (PFF)

Tasks	Time Frame	Responsibility	Status	Milestone
Task 1: Monitor and provide assistance to the regional implementation of meteorological warnings and advisories that include volcanic ash (VA) and tropical cyclone (TC) advisories and meteorological warnings and advisories based on current and future requirements	2012-2016	METWARN/I TF	In progress	1
Task 2: Track and investigate deficiencies in the format and dissemination of meteorological advisories and warnings and propose remediation plans and provide information to ICAO and WMO groups for possible assistance	2012-2016	METWARN/I TF OPMET/M TF	In progress	1,2
Task 3: Review WC, WV & WS SIGMET test results and implement improvements.	2012-2016	METWARN/I TF	In progress	1
Task 4: Provide guidance and/or training related to the implementation of meteorological advisories and warnings, including input to the Regional SIGMET Guide as they relate to the Annex 3 amendment cycle.	2013	METWARN/I TF OPMET/M TF RO	In progress	1,3
Task 5: Develop framework for contingency plans for specific phenomenon, including VA, radioactive cloud, TC and Tsunami, with consideration to global ICAO groups and WMO developments.	2013	METWARN/I TF MET/ATM TF	In progress	3
5.MILESTONES				
Milestone		Accountability	Dates	Status
<i>Milestone 1: Report back to MET SG on regional performance and action plan</i>		<i>Chair</i>	<i>Annually</i>	
<i>Milestone 2: Review and further develop suitable educational Material</i>		<i>Chair</i>	<i>Annually</i>	
<i>Milestone 3: Develop framework for ASIA/PAC Regional (MET) Contingency Plans</i>		<i>Keith</i>	<i>Mar 2013</i>	
<i>Milestone 4: Review requirements from ASIA/PAC Regional (MET) for dissemination of Tsunami warnings</i>		<i>Chair</i>	<i>Mar 2013</i>	
6. WORK PLAN				
Task / Milestone	Accountability	Predecessors	Date	Status
Activity1: SIGMET TESTS				
Task 1.1: Review OPMET report on SIGMET tests	Chair	-	Annually	
Task 1.2: Develop action plan to fix identified deficiencies	Task Force	OPMET report	During meeting	
<i>Milestone 1: Report back to MET SG on regional performance and action plan</i>	Chair	-	<i>Annually</i>	

Activity2: EDUCATIONAL MATERIAL				
Task 2.1: Review current SIGMET posters (Future Annex 3 amendments)	Task Force	-	Following Annex 3 amendments	
Task 2.2: Review the requirements for educational material in light of OPMET results	Task Force	-	February 2013	
Task 2.3: Consider the requirement for seminars/workshops	Task Force	-	February 2013	
<i>Milestone 2: Review and further develop suitable educational material</i>	Chair		<i>July (annually)</i>	
Activity3: REGIONAL CONTINGENCY PLANS				
Task 3.1: Report on the progress of IVATF to METWARN I/TF	Chair	-	Mar 2013	
Task 3.2: Considering existing VA procedures and plans in the ASIA/PAC, and in light of the issuance of the EUR/NAT, NAM/SAM contingency plans, consider the appropriateness of an ASIA/PAC contingency plan, and develop possible framework.	Task Force	-	Mar 2013	
Task 3.3 Consider existing contingency plan in APAC region (e.g., TC, radioactive cloud and Tsunami)	Task Force	-	Mar 2013	
<i>Milestone 3: Develop framework for ASIA/PAC Regional (MET) Contingency Plans</i>	<i>Keith</i>		<i>Mar 2013</i>	
Activity 5: TSUNAMI				
Task 5.1: Report on the progress of topic from METWSG/4 for regional applications	Chair	-	March 2013	
Task 5.2: Review outcomes from METWSG/4 in relation to the provision of Tsunami Warnings to aerodromes	Task Force	-	Mar 2013	
<i>Milestone 4: Review requirements from ASIA/PAC Regional (MET) for dissemination of Tsunami warnings</i>	<i>Chair</i>		<i>Mar 2013</i>	