



International Civil Aviation Organization

**EIGHTEENTH MEETING OF THE METEOROLOGY
SUB-GROUP (MET SG/18) OF APANPIRG**

ICAO Regional Sub-Office, Beijing, China
18 – 21 August 2014

Agenda Item 10: Future work programme

REVIEW FUTURE WORK PROGRAMME OF THE MET SG

(Presented by the Secretariat)

SUMMARY

This paper presents for review the terms of reference (TOR) and the subject/task list of the Meteorology Sub-group (MET SG) of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG).

1. INTRODUCTION

1.1 The meeting may recall that, in accordance with recommendations of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) Contributory Bodies Review Task Force (ABSRTF) Meeting, held in Bangkok, Thailand, from 23 to 24 May 2011, the Twenty-second Meeting of APANPIRG (APANPIRG/22), held in Bangkok, Thailand, from 5 to 9 September 2011, adopted Decision 22/52 – New APANPIRG Structure – in which the Meteorology Sub-group (MET SG) will separate from the Communications, Navigation and Surveillance Sub-group (CNS SG) effective from the 2013 meeting year, and Decision 22/54 – Revised Terms of Reference of APANPIRG Sub group and AOP Working Group – in which the (separated) MET SG will adopt revised terms of reference (TOR) effective from the 2013 meeting year.

1.2 The meeting may also recall that, in accordance with the recommendations of the ABSRTF, APANPIRG/22 adopted Decision 22/53 – Term for Chairperson/Vice Chairperson of Sub Groups – in which the term of the Chairperson and Vice Chairperson of the Sub Groups shall be for a maximum period of four years; the incumbent may stand for re-election.

1.3 The meeting is reminded that APANPIRG/22 noted the ABSRTF recommendation that APANPIRG review the new structure after three years (i.e., in 2016) in light of the experience gained and considering the effectiveness and work load of each of the SGs

2. DISCUSSION

2.1 The revised TOR adopted in APANPIRG/22 Decision 22/54 for the MET SG effective from the 2013 meeting year, and last reviewed by MET SG/17, are provided below:

TERMS OF REFERENCE OF MET SUB-GROUP

- 1) Ensure continuous and coherent development of the ASIA/PAC Regional Air Navigation Plan in the MET field in accordance with the Global Air Navigation Plan and Global Aviation Safety Plan;
- 2) Review, identify and address deficiencies that impede the implementation or provision of efficient MET services in the ASIA/PAC Region;
- 3) Monitor research and development, trial and demonstrations in the field of MET and facilitate the transfer of this information and expertise between States;
- 4) Make specific recommendations and develop guidance materials aimed at improving MET services by the use of existing and/or new procedures, facilities and technologies; and
- 5) Review and identify inter-regional and intra-regional co-ordination issues in the field of MET and recommend actions to address those issues.

2.2 The subject/tasks list in the MET field was last reviewed by MET SG/17 and is provided in **the Attachment** to this paper.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information in this paper;
- b) review and discuss the TOR of the MET SG – and any relevant matters as appropriate; and
- c) review and update the subject/tasks list in the MET field provided in **the Attachment** to this paper.

SUBJECT/TASKS LIST IN THE MET FIELD

Reproduced from APANPIRG/23, Appendix T to the Report on Agenda Item 3.4

The priorities assigned in the list have the following connotation:

A = Tasks of a high priority on which work should be expedited;

B = Tasks of medium priority on which work should be under taken as soon as possible but not to the detriment of Priority "A" tasks; and

C = Tasks of medium priority on which work should be undertaken as time and resources permit but not to the detriment of priority "A" and "B" tasks.

TOR = Terms of Reference of the Sub-Group

No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
1 (32)	RAN/3 C.8/14 APANPIRG/14 (TOR 3)	A-Safety Sustainability GPI-19	Subject: Inadequate implementation of procedures for advising aircraft on volcanic ash (VA) and tropical cyclones (TC) and other hazardous weather Task: Monitoring of the implementation of meteorological advisories and warnings which includes VA and TC	A	Monitor and provide assistance in the implementation of meteorological advisories and warnings procedures to ensure provision of timely information on weather hazardous to aircraft. Monitor outcomes of ICAO global groups and WMO for developing framework of contingency plan for specific phenomenon including VA, TC, radioactive cloud and Tsunami for the Region (coordinate with MET/ ATM R TF and proposed RACP TF when necessary)	MET SG Task Force on the implementation of meteorological advisories and warnings (METWARN/TF , reformed as MET/H TF; CNS/MET SG/16 Decision 16/34 refers)	On going
2 (36)	APANPIRG D. 4/46 RAN/3 C.12/3 APANPIRG 5/3	C- Sustainability All GPIs	Subject: Provision of adequate MET services Task: Monitor performance based systems research and development, trials and demonstrations in the fields of MET and facilitate the transfer of	A	1) Encourage States to conduct R&D, trials & demonstrations of new MET services; 2) Monitor global developments that may have beneficial consequences on	MET SG	On-going

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No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
					<p>3) Assist in preparation for the new gridded products for turbulence, icing and cumulonimbus</p> <p>4) Monitoring of the implementation of WIFS until cessation of ISCS G2 broadcast</p>		
4 (38)	C12/36 APANPIRG C14/45	C- Sustainability GPI-19	Subject: Developing the new requirements for MET products and services in support of ATM.	A	<p>1) Development of the initial draft of the MET Chapter;</p> <p>2) Development of the MET components of the CNS/ATM concept/ strategy;</p> <p>3) Inclusion of ATM requirements for MET information in the CNS/ ATM Plan;</p>	<p>CNS/MET SG with assistance of MET</p> <p>WG on CNS/ATM Plan</p> <p>CNS/MET SG</p>	<p>Completed</p> <p>Completed</p> <p>Completed</p>

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No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
					4) MET/ATM Coordination Seminar – February 2006. 5) Conduct survey on ATM requirements for MET information 6) MET/ATM meeting in 2009 7) MET/ATM seminar in 2010 (in coordination with WMO)	METATM TF METATM TF MET ATM TF MET ATM TF	Completed Reconvene Completed Completed
5 (39)	APANPIRG/13 D 13/28	A - Safety C- Sustainability GPI-19	Subject: To increase the OPMET availability and reliability needed for flight planning (efficiency) and in-flight planning (safety) improve the efficiency of the regional and inter-regional OPMET exchange and the availability of OPMET information from the ASIA/PAC Region Task: Review and optimize the ROBEX scheme and other OPMET exchanges; introduce monitoring and management procedures for the ROBEX centres and Regional OPMET data banks	A	1) Review and update regional guidance material related to OPMET data ROBEX tables and relevant documents ; 2) Identify gaps in processes, procedures and OPMET exchange Propose optimization changes to the ROBEX scheme ; 3) Improve the availability of OPMET data at the Regional OPMET Data Banks (RODB) and WAFS Provider States ; 4) Improve the timeliness and regularity availability of exchange OPMET information from the Pacific	MET SG Regional OPMET Bulletin Exchange Working Group Management Task Force (OPMET/ATM TF ROBEX WG) (reformed as per CNS/MET SG/16 Decision 16/34)	Recurrent task Recurrent task Completed Recurrent task Completed Recurrent task Completed

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No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
					<p>States;</p> <p>5) Facilitate and monitor the migration to AIM and new MET codes (eg. XML) Introduce monitoring and management Procedures.</p> <p>6) Review the reconsider current RODB structure in light XML implementation</p>		<p>2013-2016 Completed</p> <p>2013-2016 2015</p>
6 (43)		C- Sustainability GPI17,18,19,22	Subject: Implementation of data link Task: Encourage implementation	A	Encourage States to implement CPDLC, D-ATIS, D-VOLMET, PDC and DPC	MET SG CNS SG	
7 (45)	APANPIRG List of deficiencies	A – Safety GPI - 19	Subject: Implementation of SIGMET Task: Improve regional procedures and availability of SIGMET from ASIA/PAC States	A	<p>1) Assist States in implementing SIGMET requirements;</p> <p>2) Conduct regular SIGMET tests;</p> <p>3) Review and update training and guidance material;</p> <p>4) Regular monitoring on the availability and quality of SIGMET and advisories.</p>	<p>MET SG</p> <p>METWARN/TF MET/H TF in coordination with OPMET/M TF ROBEX WG</p>	<p>Recurrent task</p> <p>Recurrent task</p> <p>Recurrent task</p> <p>Recurrent task</p>

* Number in bracket indicates sequential number since establishment of the Sub-group.