



International Civil Aviation Organization

**SEVENTEENTH MEETING OF THE METEOROLOGY
SUB-GROUP (MET SG/17) OF APANPIRG**

Bangkok, Thailand, 13 – 16 May 2013

Agenda Item 12: Performance Framework

TERMS OF REFERENCE AND TASK LIST OF THE MET SUB-GROUP

(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 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 the Twenty-third Meeting of APANPIRG (APANPIRG/23) held in Bangkok, Thailand, from 10 to 14 September 2012, and is provided in the **Appendix** to this paper.

3. Action by the Meeting

3.1 The meeting is invited to:

- (a) note the information contained in this paper;
- (b) review and discuss the revised 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 Appendix.

APPENDIX

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 TF and proposed RACP TF when necessary)	MET SG Task Force on the implementation of meteorological advisories and warnings (METWARN/ITF)	On going
2 (36)	APANPIRG D. 4/46 RAN/3 C.12/3	C- Sustainability All GPIs	Subject: Provision of adequate MET services Task: Monitor performance based systems research and development, trials and	A	1) Encourage States to conduct R&D, trials & demonstrations of new MET services; 2) Monitor global	MET SG	On-going

No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
	APANPIRG 5/3 (TOR 3)		demonstrations in the fields of MET and facilitate the transfer of this information and expertise between States.		developments that may have beneficial consequences on regional planning activities; 3) Consolidate information on new capabilities in the CNS/ATM system, for the Sub-Groups review and action; 4) Serve as a focal point for review of ongoing work of Regional formal and informal working groups that is relevant to MET; 5) Provide for coordinated training/seminars to keep all States informed on developments of trials and demonstrations.		

No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
3 (37)	C 12/24	C- Sustainability GPI-19	Subject : Transition to the GRIB and BUFR coded WAFS products Task : Implementation of the transition to the GRIB and BUFR coded WAFS products	A	1) Monitoring of implementation of BUFR coded SIGWX forecasts 2) Monitoring of the migration to SADIS 2G 3) Assist in preparation for the new gridded products for turbulence, icing and cumulonimbus 4) Monitoring of the implementation of WIFS until	MET SG WAFS Implementation Task Force WAFS/I TF WAFS/I TF	Completed Completed 2013 Completed

No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
					cessation of ISCS G2 broadcast		
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	1) Development of the initial draft of the MET Chapter; 2) Development of the MET components of the CNS/ATM concept/ strategy; 3) Inclusion of ATM requirements for MET information in the CNS/ ATM Plan; 4) MET/ATM Coordination Seminar – February 2006. 5) Conduct survey on ATM requirements for MET	CNS/MET SG with assistance of MET WG on CNS/ATM Plan CNS/MET SG METATM TF METATM TF	Completed Completed Completed Completed Reconvene

No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
					information 6) MET/ATM meeting in 2009 7) MET/ATM seminar in 2010 (in coordination with WMO)	MET ATM TF MET ATM TF	Completed Completed
5 (39)	APANPIRG/13 D 13/28	A - Safety C- Sustainability GPI-19	Subject: To 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 ROBEX tables and relevant documents; 2) Propose optimization changes to the ROBEX scheme; 3) Improve the availability of OPMET data at the Regional OPMET Data Banks (RODB); 4) Improve the availability of OPMET information from the Pacific States; 5) Introduce monitoring and management Procedures. 6) reconsider current RODB structure in light XML implementation	MET SG OPMET Management Task Force (OPMET/M TF)	Recurrent task Completed On-going On-going Completed 2015
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	

No.	Ref.	Associated Strategic Objective & GPIs	Task	Priority	Action Proposed/In Progress	Action by	Target Date
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	1) Assist States in implementing SIGMET requirements; 2) Conduct regular SIGMET tests; 3) Review and update training and guidance material; 4) Regular monitoring on the availability and quality of SIGMET and advisories.	MET SG METWARN/I TF in coordination with OPMET/M TF	Recurrent task Recurrent task Recurrent task Recurrent task

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