



International Civil Aviation Organization

**THIRD MEETING OF THE METEOROLOGICAL REQUIREMENTS
TASK FORCE (MET/R TF/3)**

28 – 29 November 2013, Bangkok, Thailand

Agenda Item 1: b) Review of the TOR and composition of group

**REVIEW OF THE METEOROLOGICAL REQUIREMENTS TASK FORCE AND
COMPOSITION OF THE GROUP**

(Presented by the Secretary)

SUMMARY

This paper presents the TOR and composition of the APAC MET/R TF. A review of the TOR and composition of the group is necessary in order to reflect the current operational needs of the ATM community are met and a balanced representation is achieved. Updates to either will be presented to the group's parent body, the MET SG/18 in June 2014 for review and possible adoption.

1. Introduction

1.1 The Asia and Pacific (APAC) Meteorology/Air Traffic Management Task Force (MET/ATM TF) was originally established as a result of the Fifth Meeting of the Communications, Navigation and Surveillance/Meteorology Sub-group (CNS/MET SG/5) Decision 5/30, to assist in the development of Chapter 8, Meteorology, of the Regional CNS/ATM Plan.

1.2 To reflect the evolution of requirements for MET information in the region, updates to the terms of reference (TOR) and composition of the MET/ATM TF were adopted by subsequent meetings of the CNS/MET SG (CNS/MET SG/7, CNS/MET SG/13, CNS/MET SG/14 and CNS/MET SG/15).

1.3 In 2012, CNS/MET SG/16 reviewed the structure of all APAC MET Task Forces with a view to streamline and more effectively manage the collective workload of the MET component of the Sub-Group. The required tasks concerning MET requirements for ATM were reviewed and Decision 16/34 adopted in which the MET/ATM TF was reformed as the MET Requirements Task Force (MET/R TF) using the existing TOR and composition of the MET/ATM TF, but with a new name to more accurately define the objective of the group.

1.4 The latest TOR and composition of the MET/R TF, which were reviewed and adopted by MET SG/17, held in Bangkok, Thailand, from 13 to 16 May 2013, include space weather information (to support ATM) and confirmation of Mr Jun Ryuzaki from Japan as the chairperson for the reformed MET/R TF.

2. Discussion

2.1 To optimize the effectiveness and efficiency of the MET/R TF, the TOR and composition of the group should be reviewed periodically, to ensure that the MET/R TF remains focused on delivering the required outcomes determined by the MET SG.

2.2 The meeting is reminded that the key objective of the MET/R TF is to improve safety, efficiency and sustainability of ATM and operators by providing MET information needed to meet current and future requirements.

2.3 In accordance with the review of all regional MET Task Forces, conducted by CNS/MET SG/16 in 2012, the MET/R TF should be focused to:

- recommend improvements in the APAC Region to enable integration of meteorological information into decision support tools for ATM and flight operations; and
- establish detailed user requirements for volcanic ash information in the APAC Region needed to support ATM and flight operations.

2.4 The meeting is also reminded that the composition of the MET/R TF should include an appropriate and balanced representation of stakeholders to address the key objectives and deliverables.

2.5 The latest TOR and composition of the MET/R TF, as reviewed in May 2013 by MET SG/17, are provided in **the Attachment** to this paper. Any recommendations for updates from the meeting will be forwarded to MET SG/18, to be held in Bangkok, Thailand, from 2 to 5 June 2014, for review and possible adoption.

3. Action by the Meeting

3.1 The meeting is invited to:

- a) review the TOR and composition of the MET/R TF in view of the discussion above; and
- b) provide updates for the MET SG to review and possibly adopt.

Attachment – Composition and Terms of Reference of the Meteorological Requirements Task Force

1. TASK TEAM		
Secretariat	Address	Contact
Shane Sumner RO ATM	International Civil Aviation Organization 252/1, Vibhavadee Road Ladyao, Chatuchak Bangkok 10900 Thailand	Ph: +66 (2) 537-8189 Ext. 159 Fax: +66 (2) 537-8199 Em: ssumner@icao.int
Peter Dunda RO MET		Ph: +66 (2) 537-8189 Ext. 153 Fax: +66 (2) 537-8199 Em: pdunda@icao.int
Chair	Address	Contact
Mr Jun Ryuzaki JAPAN	Scientific Officer/Aeronautical Meteorology Division 1-3-4 Otemachi, Chiyoda-ku Tokyo 100-8122 Japan	Ph: +81 (3) 3212 8341 ext. 2285 Fax: +81 (3) 3212 8968 Em: jryuzaki@met.kishou.go.jp
Members	Address	Contact
Mr Michael I. Berechree AUSTRALIA	National Manager Aviation Weather Services Australian Bureau of Meteorology GPO Box 1289 Melbourne VIC 3001 Australia	Tel: +61 (3) 9669 4586 Fax: +61 (3) 9669 4695 E-mail: srav@bom.gov.au
Ms Zou Juan CHINA	Engineer MET Division Air Traffic Management Bureau, CAAC No. 12, East San-huan Road Middle Chaoyang District, Beijing 100022 China	Ph: +86 (10) 8778 6828 Fax: +86 (10) 8778 6820 Em: zoujuan@atmb.net.cn juan_zou@yahoo.com
Mr Li Luen On HONG KONG CHINA	Chief Experimental Officer Senior Scientific Officer (Airport Meteorological Office) Hong Kong Observatory 134A, Nathan Road Tsim Sha Tsui Hong Kong	Tel: +852 2926 8209 Fax: +852 2375 2645 E-mail: loli@hko.gov.hk
Mr Peter Lechner NEW ZEALAND	Chief Meteorological Officer Civil Aviation Authority of New Zealand Asteron House, 55 Featherston Street Wellington New Zealand	Ph: +64 (4) 560 9593 Mbl: +64 27 523 6186 Fax: +64 (4) 569 2024 Em: peter.lechner@caa.govt.nz
SINGAPORE	TBC	
RUSSIAN FEDERATION	TBC	
Mr Steven Albersheim UNITED STATES	Federal Aviation Administration Senior Meteorologist, Programme Lead International FAA Headquarters 800 Independence Ave, S.W. Washington, D.C. 20591 United States	Ph: +1 (202) 385 7185 Fax: +1 (202) 385 7240 Em: steven.albersheim@faa.gov

2. DESCRIPTION	
Objective	Improve safety, efficiency and sustainability of ATM and operators by providing MET information needed to meet current and future requirements.
Benefits	Increase efficiency – save time and fuel as well as reduce carbon emissions
Terms of Reference	<p>Under guidance from ICAO Secretariat:</p> <ul style="list-style-type: none"> a) Obtain and Evaluate the current and future requirements for MET (including space weather) in support of ATM (includes ATFM) in the ASIA/PAC Region and update Regional Air Navigation Plan accordingly and provide guidance material to assist States to develop MET services to meet these requirements; b) Assess aviation meteorological services, systems and architecture in the region and how they can integrate weather information into ATS/aircraft operator decision support tools; c) Investigate sub-regional exchange of MET information and associated agreements that facilitate ATM operations particularly over busy routes that overlap different FIRs; d) Promote coordination between MET and ATM communities in the ASIA/PAC Region to enhance the level of understanding of MET requirements and capabilities in support of ATM; e) To study the successful involvement of MET in the development of CDM/ATFM in other regions with a view to future application in ASIA/PAC f) Monitor global policy associated with source data and delivery of MET information for ATM; g) Coordinate with MET /H TF on framework for contingency plan for specific phenomenon including volcanic ash, radioactive cloud, tropical cyclone and Tsunami with reference to developments made by the global ICAO groups and WMO developments; h) Report to the MET Sub-group of APANPIRG for further co-ordination through the ICAO Secretariat with other relevant bodies (ATM SG, APSAPG, CNS SG); and i) Obtain and evaluate the current and future requirements for ATM in support of MET in the ASIA/PAC Region and update Regional Air Navigation Plan accordingly and provide guidance material to assist States to develop MET services to meet these requirements.
