



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

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**Agenda Item 11: Meteorological advisories and warnings**

**SUMMARY OF ASIA SIGMET ADVISORY TRIAL**

(Presented by the Secretariat)

**SUMMARY**

This paper presents a summary of the SIGMET advisory trial in Asia hosted by China.

This paper relates to –

**Strategic Objectives:**

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

**C: Environmental Protection and Sustainable Development of Air Transport** - Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment

**Global Plan Initiatives:**

GPI-9 Situational awareness

GPI-19 Meteorological Systems

**1. Introduction**

1.1 The third meeting of the Meteorological Warnings Study Group (METWSG/3) designated China, France and South Africa to be the host States of the SIGMET advisory trials. China hosted the SIGMET advisory trial in the Asian region during 4 May to 30 July 2011 covering 10 countries (namely Bangladesh, Cambodia, China, Democratic People's Republic of Korea, Lao People's Democratic Republic, Mongolia, Myanmar, Nepal, Thailand and Vietnam), 18 meteorological watch offices (MWO) and 19 flight information regions (FIR).

**2. Discussion**

2.1 China presented a summary and evaluation of the SIGMET advisory trial in the Asian region (in WP/9) to the second meeting of the Asia/Pacific Meteorological Advisories and Warnings Implementation Task Force (METWARN/I TF/2), held in Bangkok from 19 to 20 April 2012. The METWARN/I TF was encouraged to learn of the positive outcomes presented by China and was interested also to know what the feedback was from user groups such as the International Air Transport Association (IATA). Furthermore, the METWARN/I TF agreed that a detailed presentation

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of the evaluation of the trial, particularly in relation to those States with deficiencies (e.g. Bangladesh, Myanmar and Lao PDR), could be presented for further discussion at METWSG/4 and/or CNS/MET SG/16.

2.2 China subsequently presented a detailed evaluation of the SIGMET advisory trial in the Asian region (in IP/7) to the METWSG/4 meeting held in Montréal, from 15 to 18 May 2012. In conclusion to the METWSG/4 considerations into the issuance of SIGMET advisory information from selected regional centres, the group formulated the following action:

***Action Agreed 4/1 — Development of final proposal to the MET Divisional Meeting on SIGMET implementation***

*That an ad hoc group ... develop a proposal for endorsement by the MET Divisional Meeting for consideration by the group by 15 March 2013, that includes the:*

- a) development of a concept of operations, considering the milestones in Appendix C (see **Attachment**), for a global or multi-regional advisory system and criteria for the selection of regional advisory centres by the respective planning and implementation regional group (PIRG)s;*
- b) development of a revised format for the advisory information;*
- c) development of an amendment proposal to Annex 3 to introduce an advisory system based on the concept of operations, in coordination with the Secretary; and*
- d) development of a proposal for further study into a phenomenon-based notification system rather than a FIR-based system for hazardous meteorological conditions.*

*Note. — The concept of operations in a) above should include an agreed name for the advisory product and the associated production centres as well as consideration of bilateral agreements, cost recovery, quality management system implications and recommendations for required competencies and training.*

### **3. Action by the Meeting**

3.1 The meeting is invited to note the information contained in this paper.

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## Attachment

### APPENDIX C

*From METWSG/4 report*

#### PROPOSED SCHEDULE FOR THE DEVELOPMENT OF A CONCEPT OF OPERATIONS FOR A GLOBAL OR MULTI-REGIONAL SYSTEM FOR INFORMATION ON HAZARDOUS METEOROLOGICAL CONDITIONS

- 15 Sep 2012** Develop an initial draft of the concept of operations that outlines what is needed in services (to make that date there will be a need for several internal iterations within the ad hoc group).
- 15 Oct 2012** Develop the functional and performance requirements for inclusion in the concept of operations.
- 1 Dec 2012** Update the concept of operations for a 2nd version for distribution and coordination with functional and performance requirements.
- 28 Feb 2013** Finalize the concept of operations with functional performance requirements for initial capability for implementation by 2016.
- 15 Mar 2013** Complete a working paper (WP) for coordination with Secretary for consideration by METWSG as Roadmap for implementation of regional centres. The WP should also propose perspective criteria for the selection of States that may wish to be a regional centre.

*Note. — The concept of operations should define what is required in terms of resources to provide the services and also have a proposed end state capability for performance.*

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