



International Civil Aviation Organization

**NINTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE AND
METEOROLOGY SUB-GROUP OF APANPIRG
(CNS/MET SG/9)**

Bangkok, Thailand, 11–15 July 2005

Agenda Item 16: Future Work Programme

**TERMS OF REFERENCE AND TASKS LIST OF THE
CNS/MET SUB-GROUP**

(Presented by Secretariat)

SUMMARY

This paper presents the Terms of Reference (TOR) and an updated Subject/Tasks List of the CNS/MET Sub-Group for review.

1. INTRODUCTION

1.1 The Fifteenth Meeting of APANPIRG held in Bangkok from 23 to 27 August 2004 reviewed the Subject/Tasks List of the CNS/MET Sub-Group. The Meeting in its Decision 15/44 adopted the updated Subject/Tasks List as the Work Programme for CNS/MET Sub-Group. The TOR and the Tasks List of the Sub-Group is provided in Attachment.

2. DISCUSSION

2.1 The APANPIRG/15 while adopting the proposed changes to the Subject/Tasks List noted that of the 40 Tasks, 29 Tasks were completed and the completed Tasks were deleted from the List. A new Task for the development of strategy for implementation of air-ground communication data link was added.

2.2 The Sub-Group is expected to review the Tasks List at each meeting to update the information, and to indicate progress and to propose new task, if any.

3. ACTION BY THE MEETING

3.1 The meeting is expected to:

- a) note the Terms of Reference of the CNS/MET Sub-Group;
- b) review priority, target dates, action proposed and/or in progress including the overall status of the Subject/Tasks List; and
- c) propose changes, as required

**TERMS OF REFERENCE OF THE
COMMUNICATIONS, NAVIGATION, SURVEILLANCE/METEOROLOGY
(CNS/MET) SUB-GROUP OF APANPIRG**

TERMS OF REFERENCE

1. Ensure the continuing and coherent development of the ASIA/PAC Regional Air Navigation Plan and the ASIA/PAC Regional Plan for the New CNS/ATM Systems in the CNS/MET fields.
2. Review and identify deficiencies that impede the implementation or provision of efficient CNS/MET services in the ASIA/PAC Region.
3. Monitor CNS/ATM systems research and development, trials and demonstrations in the fields of CNS/MET and facilitate the transfer of this information and expertise between States.
4. Make specific recommendations aimed at improving CNS/MET services by the use of existing procedures and facilities and/or through the evolutionary implementation of CNS/ATM systems.
5. Review and identify inter-regional co-ordination issues in the fields of CNS/MET and recommend actions to address those issues.

SUBJECT/TASKS LIST IN THE CNS/MET FIELDS

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

TASKS NO. 1-29 HAVE BEEN COMPLETED AND REMOVED FROM THE LIST

No.	Ref.	Task	Priorit y	Action Proposed/In Progress	Action By	Target Date
30	RAN/3 C.11/10 (TOR 1)	Subject: Ensure effective transition to satellite communications. Task: Planning for the implementation of satellite communications.	B	In planning for the implementation of CNS/ATM take into account: 1) Requirements for an effective transition, 2) Time frame for implementing changes, 3) HF requirements after implementation of satellite communications, 4) Human factors (staffing, retraining).	CNS/MET	On-going
31	RAN/3 C.11/11 (TOR 1)	Subject: Need for data link to access VOLMET broadcast stations by aircraft. Task: Automation of meteorological information for aircraft in flight (VOLMET) broadcasts.	B	In planning CNS/ATM implementation consider automation of VOLMET broadcast and introduction of D-VOLMET by VOLMET broadcast stations specified in the FASID.	CNS/MET	2008
32	RAN/3 C.8/14 APANPIRG/ 14 (TOR 3)	Subject: Inadequate implementation of procedures for advising aircraft on volcanic ash and tropical cyclones Task: Monitoring of the implementation of international airways volcano watch (IAVW) and tropical cyclone advisories and SIGMETs	A	Monitor and provide assistance in the implementation of volcanic ash and tropical cyclone advisories and SIGMETs procedures to ensure provision of timely information on volcanic ash and tropical cyclones to aircraft.	CNS/MET Task Force on the implementation of Volcanic Ash and Tropical Cyclone advisories and SIGMETs (VA/TC TF)	On going

Attachment to CNS/MET SG/9-WP/39

No.	Ref.	Task	Priorit y	Action Proposed/In Progress	Action By	Target Date
33	APANPIRG D. 9/21	Problem : SADIS strategic assessment Task: SADIS strategic assessment of data/information to be included in the satellite broadcast.		Review requirements for SADIS broadcasts and maintain the SADIS strategic assessment tables.	CNS/MET SG	On-going
34	APANPIRG (TOR 3)	Subject: Lack of procedure for application of MET data in ADS messages Task: Use of MET data from ADS messages	A	1) Review MET information transmitted with ADS messages Presentation of the WP on the subject to the CNS/MET/SG/6 2) Develop procedures for utilization of the available MET data by operational units, MET offices and WAFCs	CNS/MET New Zealand CNS/MET	2003 <u>Completed</u> 2004
35	(TOR 3)	Subject: To facilitate regional implementation of CNS/ATM Tasks: a) coordinate training/workshops to allow States to develop and implement new CNS/ATM procedures b) encourage States to participate in the evaluation and training of new CNS/ATM systems c) progress the adoption of WGS-84 co-ordinate system and introduction of high integrity systems for the management of the co-ordinate data	A	1) identify topics for training, develop syllabi and plan training programme 2) encourage States in the evaluation and training of new CNS/ATM systems 3) co-ordinate with States and monitor progress 4) collect information and suggest methods of resolving problems commonly faced by States	CNS/MET CNS/ATM IC SG	On-going On-going On-going On-going

No.	Ref.	Task	Priority	Action Proposed/In Progress	Action By	Target Date
36	APANPIRG D. 4/46 RAN/3 C.12/3 APANPIRG 5/3 (TOR 3)	Subject: Provision of adequate CNS/MET services Task: Monitor CNS/ATM systems research and development, trials and demonstrations in the fields of CNS/MET and facilitate the transfer of this information and expertise between States.	A	<ul style="list-style-type: none"> Encourage States to conduct R&D, trials & demonstrations of new CNS/MET services Monitor global developments that may have beneficial consequences on regional planning activities Consolidate information on new capabilities in the CNS/ATM system, for the Sub-Groups review and action Serve as a focal point for review of ongoing work of Regional formal and informal working groups that is relevant to CNS/MET Provide for coordinated training/seminars to keep all States informed on developments of trials and demonstrations 	CNS/MET	On-going
37	C 12/24	Subject : Transition to the GRIB and BUFR coded WAFS products Task : Implementation of the transition to the GRIB and BUFR coded WAFS products	A	<p>1) Development of guidelines for the use of BUFR and GRIB codes for the production of WAFS products.</p> <p>2) Planning and coordinating the transfer of SIGWX and WIND/TEMP charts from the current T4 facsimile format to BUFR and GRIB format.</p> <p>3) Development of a regional training programme for the operational use of BUFR and GRIB.</p> <p>4) Participate in the development and implementation of an adequate WAFS back-up system for dissemination of WAFS products in the ASIA/PAC Region.</p>	<p>CNS/MET SG</p> <p>WAFS Implementation Task Force</p>	<p>Completed</p> <p>July 2005</p> <p>2004</p> <p>Completed</p>
38	C12/36	Subject : Lack of ATM requirements for MET components of the ASIA/PAC CNS/ATM Plan. Task : Developing the MET Chapter for the ASIA/PAC CNS/ATM Plan.	A	<ol style="list-style-type: none"> Development of the initial draft of the MET Chapter. Development of the MET components of the CNS/ATM concept/strategy. Inclusion of ATM requirements for MET information in the CNS/ATM Plan. 	<p>CNS/MET SG with assistance of MET WG on CNS/ATM Plan</p> <p>CNS/MET SG with assistance of the METATM TF</p>	<p>Completed</p> <p>Completed</p> <p>20042005</p>

Attachment to CNS/MET SG/9-WP/39

No.	Ref.	Task	Priority	Action Proposed/In Progress	Action By	Target Date
39	APANPIRG /13 D 13/28	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	<ol style="list-style-type: none"> 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 	CNS/MET SG OPMET Management Task Force	2003 2004 on-going on-going on-going
40	APANPIRG /13 C 13/32	Subject: Quality Management of the meteorological service for the international air navigation Task: Foster the development and implementation of quality management systems by the States' MET authorities/providers in the ASIA/PAC Region	B	<ol style="list-style-type: none"> 1) Review the status of implementation of the quality management system in the region 2) Assist in the organization of regional seminars/workshops to foster exchange of information between the States on the matters of quality management systems 	CNS/MET SG	On-going
41		Subject: Regional Strategy for air-ground data communication Task: Develop regional strategy for the implementation of air-ground communication data link	B	Development of AMS data link	CNS/MET SG	2005 Completed