



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 14: Review of deficiencies in the CNS and MET fields:

- 1) Status of CNS deficiencies (APANPIRG Deficiency List)
- 2) Status of MET deficiencies (APANPIRG Deficiency List)

**STATUS OF NOTED DEFICIENCIES IN THE
CNS AND MET FIELDS**

(Presented by Secretariat)

SUMMARY

This paper presents information on the progress in resolving of the deficiencies in the CNS and MET fields, as identified by APANPIRG, for review by the Meeting.

1. INTRODUCTION

1.1 Assisting States in resolving the safety related deficiencies is one of the most important tasks of the PIRGs. The APANPIRG maintains up-to-date a List of Deficiencies in all air navigation fields. In order to assist the work of APANPIRG, the CNS/MET Sub-group regularly reviews the status of the deficiencies in the CNS and MET fields and provides the necessary updates.

1.2 The lists of deficiencies in the CNS and MET fields are provided in the Attachment A and B respectively for review by the Meeting.

2. DISCUSSION

2.4 The status of the deficiencies in the CNS and MET fields was reviewed and updated by APANPIRG/15 Meeting held in Bangkok from 23 to 27 August 2004. The Secretariat updated the list based on new information received from States and other sources. The following progress have been achieved:

2.4.1 Deficiencies in the CNS field have been addressed as follows:

- As a result of actions taken by Bangladesh, the long standing deficiency of lack of VHF coverage in Dhaka FIR has been eliminated by delegating the responsibility for the provision of ATS over the Northern part of Dhaka FIR to Kolkata ACC to overcome operational problems. A formal notification has been received from Bangladesh; and
- A high level mission was conducted to Myanmar. Urgent need to overcome the air-ground communication deficiency was brought to the attention of the higher authority in the government. An action plan was developed for implementation by the end of 2004. Action was taken by Myanmar to implement the action plan. The VHF systems were upgraded and put on trial operation on 9 May 2005. AIP Supplement 01/05 dated 28 April 2005 was issued to notify change in frequencies.

2.4.2 Deficiencies in the MET field have been addressed as follows:

- The main progress identified is the elimination of a long standing problem with the lack of TAF for the two international airports in Cambodia: Phnom Penh (VDPP) and Siem Reap (VDSR). It should be noted that the elimination of this deficiency was possible due to the assistance provided to Cambodia by Viet Nam in terms of training and provision of operational help in preparing TAF (issuance of “draft TAF” for VDPP and VDSR by the meteorological office at Ho Chi Minh airport);
- There are signals that the situation with the issuance of SIGMET for volcanic ash has been improving; however, the removal of this deficiency from the list will be subject of further validation;
- Cambodia and Myanmar have filed deficiencies for non-utilization of the WAFS products; it should be noted that both States sent participants to the second GRIB/BUFR training seminar held in Bangkok in January 2005, and indicated firm intentions to ensure reception and utilization of these products in the near future;
- As regards the long-standing deficiencies related to the Pacific States, it should be noted that ICAO established a Special Implementation Project (SIP), Enhancement of the meteorological service for aviation in the Pacific, to be held in 2005. It is expected that through this SIP ICAO will assist in resolving some of the safety-related deficiencies in this region.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review the deficiencies listed in the Attachment A and B;
- b) update the list based on recent actions taken by States, if any;
- c) identify additional deficiencies, if any; and
- d) recommend actions for resolving the remaining deficiencies.

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE CNS FIELD IN THE ASIA/PACIFIC REGION

Identification		Deficiencies			Corrective action			
Requirements	States/facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
VHF coverage to be provided in the Southern Part of Dhaka FIR and withdrawal of HF	Bangladesh	No requirement for HF except for smaller portion of FIR.	1992	Relevant sector of ATS routes has been delegated to adjacent ACC at Kolkata.	An action item was developed by a COM coordination meeting held in June 03 to expedite implementation of RCAGs included in a Project. An interim arrangement has been made for implementation of one RCAG site in the southern part of Dhaka FIR.	Civil Aviation Authority of Bangladesh	Target date is set by the end of 2006 for implementation of RCAG. There is neither operational problem nor any impact on flight safety as ATS is provided in the delegated airspace by adjacent ACC. This arrangement will continue until full VHF coverage is provided in Dhaka	A formal notification has been received starting that Kolkata ACC is providing ATS in the Northern part of Dhaka FIR including ATS Route L507.
Adequate and reliable VHF COM	Myanmar	Quality and reliability of RCAG VHF inadequate and unavailability of required coverage	1998	Improvements in the quality of link to RCAG stations and power supply system are required.	Action should be taken to provide reliable links between the RCAG stations and Yangon ACC. Power supply to the RCAG sites needs improvement. High level ICAO mission was conducted. An action plan was developed to upgrade equipment at RCAG stations, provide VSAT link at all RCAG stations, to improve power supply system and to shift ACC to the new location.			

Attachment A to CNS/MET SG/9-WP/36

Identification		Deficiencies			Corrective action			
Requirements	States/facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
					DCA Myanmar has replaced equipments at all 6 RCAG sites with digital VHF system and has provided VSAT links and solar power supply system at all sites. After a trial period of one month the facilities were formally implemented effective 9 June 2005 using new frequencies in place of old frequencies affected by interference.	DCA Myanmar	Revised target date is end of 2004.	This deficiency will be removed from the list upon receipt of official report providing full details of action taken by Myanmar and confirmation by the users.

Attachment B to
CNS/MET SG/9-WP/36

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE ASIA/PACIFIC REGION

Identification		Deficiencies			Corrective action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action *
Meteorological observations and reports. (Annex 3, Chapter 4)	Solomon I.	Weather information is inadequate and not provided on a regular basis	1996	Reported by airlines operating to Solomon I.	Equipment to be upgraded and arrangements to be made for regular observations	Ministry of Transport, Works and Aviation, Solomon I. <i>Note: OPMET/M TF to carry out survey</i>	TBD	A
h Meteorological observations and reports. (Annex 3, Chapter 4)	Kiribati	h METAR from Kiribati not available on regular basis.	1998	Reported by airlines	State's MET authority to consider urgent action to be taken for providing regular observations and reports	Directorate of Civil Aviation, Kiribati. <i>Note: OPMET/M TF to carry out survey</i>	TBD	A
h Reporting of information on volcanic eruptions to civil aviation units. (Annex 3 p. 4.14 (recom.)) h	Indonesia	Information on volcanic activity not provided regularly to ATS units and MWOs.	1995 ICAO SIP mission Dec 2003	a) Observed by States concerned. b) Reported at the WMO/ICAO Workshop on Volcanic Ash Hazards (Darwin, 1995)	h Three-party LOA to be signed between the MGA, DGCA and DVGHM	DGCA, MGA Indonesia h <i>Note: ICAO Regional Office to monitor</i>	2004	A
	Philippines		1995 ICAO SIP mission May 2003		h Three-party LOA to be signed between the ATO, PAGASA and PHIVOLCS	h PAGASA, ATO Philippines <i>Note: ICAO Regional Office to monitor</i>		

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Identification		Deficiencies			Corrective action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action *
	Papua New Guinea		1995 ICAO SIP mission Dec 2003		⇒ Procedures to be set up for exchange of data between NWS, ATS and Rabaul Observatory and a LOA to be signed	⇒ NWS, ATS Papua New Guinea <i>Note: ICAO Regional Office to monitor</i>		
Provision of SIGMET information including SIGMETs for volcanic ash (Annex 3, Chapter 7; ASIA/PAC FASID Table MET 1B)	Indonesia Philippines Papua New Guinea	Requirements for issuance and proper dissemination of SIGMET, including SIGMET for volcanic ash, have not been fully implemented	2000	a) Reported by airlines b) Noted by Volcanic Ash Advisory Centres	a) ICAO to carry out a Special Implementation Project (SIP) with the primary objective to improve implementation of SIGMET procedures, especially for VA. b) State to take urgent actions to implement the SIGMET procedures.	a) State's Met authorities b) ICAO to implement the SIP. c) ICAO Regional Office to co-ordinate and monitor. <i>Note: ICAO SIP carried out in 2003; progress in issuance of SIGMET for VA is noted; the outstanding problems to be resolved within 1-year time</i>	2005	U

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CNS/MET SG/9-WP/36

REPORTING FORM ON AIR NAVIGATION DEFICIENCIES IN THE MET FIELD IN THE ASIA/PACIFIC REGION

Identification		Deficiencies			Corrective action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action *
a) Service for operators and flight crew members. (Annex 3, Chapter 9). b) WAFS products for flight documentation. (ASIA/PAC FASID Table MET 1A).	Cambodia Myanmar	Briefing and flight documentation not provided as required. WAFS products not available	1999	Airlines do not receive the required flight documentation including WAFS forecasts.	States consider urgent action to be taken for installation of SADIS VSAT for receiving WAFS products and OPMET information. Action plan proposed by ICAO MET mission 2003	State's MET authorities	TBD	A
a) TAF for VDPP (ASIA/PAC FASID Table MET 1A) b) MWO for Phnom Penh FIR and SIGMET (Annex 3, Chapter 7; ASIA/PAC FASID Table MET 1B)	Cambodia	TAF not issued for VDPP Requirements for meteorological watch office (MWO) to be established at Phnom-Penh international airport have not been met.	1992 ICAO MET mission 2003	Lack of trained forecasters for regular TAF service. Serious problems for all airlines flying to VDPP MWO not established due to lack of trained personnel and technical facilities. No SIGMET service for Phnom Penh FIR – serious safety issue.	Action plan proposed by ICAO MET mission 2003 Training of forecasters for issuing TAF urgently required Establishment of MWO currently not feasible. Urgent need for bi-lateral agreement for SIGMET service by a neighboring State.	SSCA, Cambodia <i>Note: Initial 2-week training for two forecasters from SSCA carried out at the Thai MET Department in coordination with the ICAO regional Office</i>	TBD	U

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Identification		Deficiencies			Corrective action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action *
Provision of SIGMET information (Annex 3, Chapter 7; ASIA/PAC FASID Table MET 1B)	Bangladesh India Lao PDR Myanmar Nepal	Requirements for issuance and proper dissemination of SIGMET have not been fully implemented.	2000	SIGMET frequently not available Reported by airlines	State's MET authority to take urgent actions to implement the SIGMET procedures. ICAO issued new version of ASIA/PAC Regional SIGMET Guide in September 2003	State's MET authorities <i>Note: ICAO Regional Office to enquire action plans with fixed target dates from the listed States</i>	2005	U
a) Annex 3 provisions for Tropical Cyclone Advisory Centres (TCAC) and for the format of tropical cyclone advisories for aviation b) ASIA/PAC Basic ANP (p.6.2) and FASID Table MET 3A	India	TCAC New Delhi does not issue tropical cyclone advisories for aviation	2003	Reported by airlines and identified during ICAO attendance to ESCAP/WMO Panel on Tropical Cyclones, 2002 and 2003	The Authority concerned to take urgent actions to meet requirements of Annex 3 and ASIA/PAC BANP and FASID for provision of tropical cyclone advisory for aviation.	India Directorate General of Civil Aviation; India Meteorological Department <i>Note: TC Advisory Service has been implemented by IMD since the beginning of 2004</i>	2004	A