



International Civil Aviation Organization

**Seventh Meeting of CNS/MET Sub-Group of APANPIRG and
Tenth Meeting of CNS/ATM IC Sub-Group of APANPIRG**

Bangkok, Thailand, 15 – 21 July 2003

Agenda Item 21: Review and identify deficiencies in the CNS/MET fields

LIST OF NOTED DEFICIENCIES IN THE CNS AND MET FIELDS

(Presented by the Secretariat)

SUMMARY

This paper presents a list of noted deficiencies in the CNS and MET fields for review by the Meeting.

1. INTRODUCTION

1.1 The list of deficiencies in the CNS and MET fields are provided in the Attachment 1 and 2 respectively for review by the Meeting.

2. DISCUSSION

2.1 The ICAO Council, at the 164th Session on 30 November 2001, approved the single definition of shortcomings and deficiencies as follows:

“A *deficiency* is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and/or efficiency of international civil aviation”.

2.2. A State letter was sent to States by ICAO Secretary General to Ministers responsible for civil aviation (State letter M 6/1-02/79, dated 27 September 2002), attaching the list of deficiencies in the State concerned as identified by the APANPIRG, and requesting the Ministers to resolve the deficiencies through a plan of action and the allocation of the necessary financial and human resources.

2.3 APANPIRG/13 in its Decision 13/46 established a Task Force on Deficiencies in the Air Navigation Field and the first meeting will be held from 22 to 25 July 2003. The Task Force will develop detailed regional complementary procedures for identification, assessment, reporting and monitoring of the status of air navigation deficiencies as supplement to the uniform methodology.

2.4 The list of deficiencies in the CNS and MET fields was reviewed and updated by APANPIRG/13 Meeting held in Bangkok from 9-13 September 2002. The list needs to be further

updated to indicate progress made towards overcoming the implementation problems and to update the list.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review the deficiencies listed in the Attachment;
- b) update it based on actions taken by States concerned to overcome the problems;
- c) identify additional deficiencies, if any; and
- d) recommend actions for early implementation of required facilities or services

AIR NAVIGATION DEFICIENCIES IN THE CNS FIELD IN THE ASIA/PAC 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.HF used for ground-to-ground COM due to lack of ER VHF and reliable ATS DSCs.	1992	Relevant sector of ATS routes has been delegated to adjacent ACC.	An action item was developed by a COM coordination meeting held in June 03. RCAGs are listed in a Project and interim arrangement for RCAG has been made.	Civil Aviation Authority of Bangladesh	Target date is set by end of 2003.	A
Reliable AFS communications between Kolkata and Dhaka FIRs.	Bangladesh and India	RTT AFTN Circuit has been far below the required reliability of 97%. ATS DSC not implemented. IDD service used for ATS coordination not meeting operational requirement. Agartala/Dhaka and Dhaka/Guwahati. ATS DSCS not implemented.	ATS DSC 1993 AFTN 1995	HF RTT circuit needs to be upgraded to LTT. Corrective action required to improve performance of the IDD services initially. A dedicated circuit should be established between Kolkata and Dhaka. IDD service to be provided for Agartala/Dhaka and Dhaka/Guwahati ATS DSC.	Action agreed at a COM coordination meeting held in June 03 to implement a 64 Kbps data circuit which will support both AFTN and DSC requirements. Agartala/Dhaka, Dhaka/Guwahati and Dhaka/Kolkata ATS DSCs. implemented on IDD hotlines.	CAA Bangladesh and Airports Authority of India	September 2003 for upgrading AFTN circuit; and December 2003 for establishment of DSC between Dhaka/Kolkata	A

Identification		Deficiencies			Corrective action			
Requirements	States/facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
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.	DCA Myanmar	Revised target date is end of 2003	A

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. Provision of 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. OPMET/E TF to carry out survey on availability	2003	A
a) Requirements for forecasts to be provided. ASIA/PAC ANP, Part IV- Meteorology. Table MET 1A. Meteorological observations and reports. Provision of Annex 3, Chapter 4.	Kiribati	a) TAFs for Kiribati not regularly provided by MET Centre of Fiji. MET observations from Kiribati not available on regular basis.	1998	Reported by the National Weather Service concerned during introduction of the new flight operations.	Fiji reported that TAFs for Tarawa, Kiribati have been provided regularly.	Directorate of Civil Aviation, Kiribati. Civil Aviation Authority, Fiji CNS/MET SG OPMET/E TF to carry out survey on availability	a) Completed b) To be determined	A

Attachment 2 to
CNS/MET-ATM-WP/11-2

Identification		Deficiencies			Corrective action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action *
a) Reporting of information on volcanic eruptions to civil aviation units. Provision of Annex 3. b) International airways volcano watch (IAVW) operational procedures.	Indonesia Philippines	Information on volcano activities not always reaches civil aviation units due to lack of fixed communications with volcano observatories.	1995	a) Observed by States concerned. b) Reported at the WMO/ICAO Workshop on Volcanic Ash Hazards (Darwin, 1995)	a) MOU will be signed between Department of Transportation and Department of Mining and Energy, Indonesia b) Volcano observations and warnings will be made available on the Internet by Department of Mining and Energy. c) It is expected that MOU between Air Transportation Office and the Philippines Institute of Volcanology and Seismology will be considered.	a) Volcanic Ash Warning Study Group (VAWSG) to develop proposal. b) ICAO Regional Office to monitor developments on this subject.	To be determined 2003	A
a) Service for operators and flight crew members Provision of Annex 3, Chapter 9. b) Requirements for WAFS products for flight documentation. ASIA/PAC ANP, Table MET 1A.	Cambodia Myanmar	VSATs for reception of the ISCS and SADIS satellite broadcasts not installed.	1999	Expected lack of products for flight documentation due to forthcoming implementation of the final phase of WAFS and cease of RAFCs operations.	States consider urgent action to be taken for installation of SADIS or ISCS VSATs.	Civil Aviation Administrations in co-ordination with Met. Authorities of the States concerned. CNS/MET SG to monitor and coordinate.	To be determined	A

Identification		Deficiencies			Corrective action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action *
<p>a) Aerodrome meteorological office; meteorological watch office provisions of Annex 3, Chapter 3.</p> <p>b) Requirement for aerodrome meteorological office to be established; ASIA/PAC ANP, Table MET 1A;</p> <p>c) Requirements for MWO to be established, ASIA/PAC ANP, Table MET 2A.</p>	Cambodia	Requirements for Aerodrome meteorological office and meteorological watch office (MWO) to be established at Phnom-Penh international airport have not been met.	1992 2003 (MET mission from ICAO RO)	Requirements have not been met due to staffing and funding problems. MET briefing and flight documentation for return flights provided by the MET offices of other aerodromes.	The Authority concerned to take urgent actions to meet requirements of ANP. If MWO is not able to meet all its obligations, proposal to be considered for temporary transfer of its responsibilities to another MWO and a NOTAM to be issued to indicate such a transfer.	State Secretariat of Civil Aviation, Cambodia.	To be determined	A
<p>a) SIGMET information Provision of Annex 3, Chapter 7.</p> <p>b) Requirements for dissemination of SIGMETs, including SIGMETs for volcanic ash. ASIA/PAC ANP (FASID) Table MET 2A.</p> <p>c) International airways volcano watch (IAVW) operational procedures.</p>	Bangladesh Cambodia India Indonesia Lao PDR Myanmar Nepal Papua New Guinea Philippines Sri Lanka	Requirements for issuance and proper dissemination of SIGMETs, including SIGMET for volcanic ash, have not been fully implemented.	2000	<p>a) Reported by airlines</p> <p>b) Noted by Volcanic Ash Advisory Centres</p>	<p>a) ICAO to consider proposal for Special Implementation Project to be established with the primary objective to improve implementation of SIGMET procedures.</p> <p>a) ICAO SIP (on-going in 2003)</p> <p>b) States to take urgent actions to implement the procedures.</p> <p>(Sri Lanka informed that the deficiency is dealt with immediate effect)</p>	<p>a) ICAO to establish and implement the SIP.</p> <p>b) ICAO to update the Regional SIGMET Guide</p> <p>c) ICAO Regional Office to co-ordinate.</p> <p>d) Volcanic Ash Task Force to assist Secretariat with development of SIP and its implementation</p> <p>e) CNS/MET SG to monitor.</p>	<p>2003 by means of a SIP and a new edition of the Regional SIGMET Guide</p> <p>(Malaysia notified deficiency was resolved, 2002)</p>	A

Attachment 2 to
CNS/MET-ATM-WP/11-4

Identification		Deficiencies			Corrective action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action *
Annex 3 provisions for Tropical Cyclone Advisory Centres (TCAC) and for the format of tropical cyclone advisories for aviation 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	2004	A