



International Civil Aviation Organization

Sixth Meeting of CNS/MET Sub-Group of APANPIRG

Bangkok, Thailand, 15 – 19 July 2002

Agenda Item 1: Review

- a) Terms of Reference and Subject /Tasks List of the CNS/MET SG
- b) Status of actions on the report of the CNS/MET SG/5 Meeting

KEY PRIORITIES FOR CNS/ATM IMPLEMENTATION

(Presented by the Secretariat)

SUMMARY

This paper presents Key Priorities for CNS/ATM Implementation adopted by APANPIRG/12 meeting.

1. INTRODUCTION

1.1 The APANPIRG/12 meeting reviewed and adopted a number of Key Priorities for the CNS/ATM implementation in the ASIA/PAC region.

2. DISCUSSION

2.1 The APANPIRG/12 meeting recognized that, where possible, items entered, as Key Priorities, should have definitive target dates and avoid the use of the term “on going”. In addition, target dates should be realistic. Accordingly, the meeting formulated Conclusion 12/45 to adopt the Key Priorities for CNS/ATM Implementation in the ASIA/PAC region which are provided in the Attachment.

3. ACTION BY THE MEETING

3.1 The meeting is expected to:

- a) review and update the status of implementation of the Key Priorities; and
- b) ensure that the key priorities are either included in the Tasks List or addressed by the Sub-group, as required.

**Sixth Meeting of CNS/MET Sub-Group of APANPIRG
Key Priorities for CNS/ATM Implementation in
the Asia/Pacific Region**

Attachment to CNS/MET/SG/-WP/8 -1

Key Priority	Description	Milestone	Sub-group	Status
ATN Transition	The development of an ATN transition plan is required.	2001	CNS/MET ATN Transition Task Force	Completed Completed development of the Plan
Incorporation of CNS/ATM Material into Regional ANP & FASID	To reflect regional agreement for the implementation of CNS/ATM facilities and services and the determination of priorities for financing.	APANPIRG/12	All	On-going CNS/MET SG/5 established Working Group to incorporate CNS/ATM materials in the Regional Procedure Part CNS FASID. The Working Group completed the Task and has developed material for consideration by the Sub-Group for inclusion in the CNS Part of the Basic ANP and FASID.
Revised South China Sea ATS Route Implementation	Successful implementation of this important route structure alleviates airspace congestion and provides a project model for similar route structure activity elsewhere in the Region.	1 November 2001	ATS/AIS/SAR	Implementation project has been progressed through the ICAO South China Sea Route Implementation Task Force.
WGS-84 Implementation	To achieve uniformity in aeronautical data publication across the Region in order to ensure a standard reference system for CNS/ATM.	Immediate (Effective Date was 1 Jan 1998)	ATS/AIS/SAR	Implementation is monitored at each meeting using the uniform format for the reporting of WGS-84 implementation. Report progress to APANPIRG/ 12.

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Key Priority	Description	Milestone	Sub-group	Status
RVSM Implementation	To provide more efficient flight profiles and to increase airspace capacity in conjunction with the implementation of CNS/ATM.	21 Feb 2002 – Western Pacific/South China Sea 31 Oct 2002- Hong Kong FIR and Sanya AOR 27 Nov 2003-Asia to Europe South of the Himalayas Australia Nov 1, 2001.	ATS/AIS/SAR	Phased implementation. RVSM Implemented in the Pacific 24 Feb 2000.
RNP Implementation	Global standard for navigation is seen as a prerequisite for many CNS/ATM implementation activities.	RNP-10/South China Sea 2001 RNP-10/ Australia- Indonesia Nov 2001 RNP-10/Bay of Bengal 2002	ATS/AIS/SAR & CNS/ATM/IC	Phased implementation. RNP-10 is implemented in NOPAC, CENPAC, CEP & Tasman Sea.
ADS	The implementation of ADS in oceanic or remote areas in accordance with the Regional CNS/ATM Plan is required for the enhancement of safety and ATM.	APANPIRG/12	ATS/AIS/SAR	Phased implementation. Revised Regional CNS/ATM Guidance Material developed containing ADS section. Implementation focus and timetable need to be developed. ANC/Council review indicates that CNS/ATM/GM shall not include ADS section. States are gaining experience in the use of ADS.

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Attachment to CNS/MET/SG/-WP/8 -3

Key Priority	Description	Milestone	Sub-group	Status
Technical Co-operation in Regional CNS/ATM Planning & Implementation	The continuation and enhancement of ICAO's co-ordinating role of technical co-operation in CNS/ATM planning and implementation, in close co-operation with all partners and taking into account the regional approach, is required.	APANPIRG/12	All	Sub-groups to identify requirements.
Preparation for WRC2003	The co-operative participation of States is required with their respective communications authority, regional groups such as the APT and at the WRC, preparatory meetings and study groups to ensure that aviation spectrum requirements are fulfilled including GNSS spectrum requirements.	WRC2003	All	ICAO Position was presented at APT meetings in Sept. 2000, and June 2001 and June 2002. State letter issued to follow up APANPIRG Conclusion 11/24. Regional Preparatory Group Meeting for WRC-2003 was held in conjunction with AMCP WG-F meeting in November 2001 in Bangkok. APT will be holding two more preparatory meetings from 26-31 August 2002 in Busan, Republic of Korea and from 19-25 February 2003 in Tokyo, Japan to finalize ASIA/PAC common proposal to be submitted to WRC-2003.

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Key Priority	Description	Milestone	Sub-group	Status
GNSS Implementation	To implement GNSS in accordance with the Asia Pacific Regional Strategy.	Phase 1- 2003	All	Phased implementation Sub-groups to develop plan and report progress to APANPIRG/13 1. GNSS Implementation Workshop was held in May 2001. • States are encouraged to implement GNSS for En-route and NPA functions. • States advised to participate in the GNSS Measurement Campaign. • GNSS Implementation checklist was developed. • GNSS strategy was reviewed.
Airspace Management	To implement revised ATS route structures for the major traffic flows.	Phase 1 – Asia to Europe via South of the Himalayas, Nov 2002	ATS/AIS/SAR CNS/MET	Phased implementation. Report progress to APANPIRG/12.

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Attachment to CNS/MET/SG/-WP/8 -5

Key Priority	Description	Milestone	Sub-group	Status
Final phase of WAFS	To implement transition to the final phase of WAFS to support the CNS/ATM system.	2004	CNS/MET SG	- WAFS Transition Plan and Procedures has been developed and is being successfully implemented. - Transfer of responsibility of RAFCs to WAFCs London and Washington has been implemented. - Closure of RAFCs has been implemented.
MET Chapter 8 of the ASIA/PAC Regional Plan for New CNS/ATM System	To develop MET components of the ASIA/PAC CNS/ATM concept/strategy To develop MET Chapter of the Regional CNS/ATM Plan	2003 2004	CNS/MET with assistance of the ATS/AIS/SAR SG METATM TF	- The first draft of MET Chapter of the Regional CNS/ATM Plan has been developed. It will be incorporated in the next edition of the Regional Plan for the new CNS/ATM systems. - METATM TF to develop MET components of the ASIA/PAC CNS/ATM concept/strategy.
Data – link Communications	1. Implementation of CPDLC (with HF and/or SATCOM back-up) in oceanic or remote airspace. 2. AIDC to be introduced where ATS automated systems are implemented.	2002 2005	All All	Sub – Groups to review progress of implementation. CNS/ATM Implementation Matrix has been developed which indicates the progress of implementation of both CPDLC and AIDC.