International Civil Aviation Organization

Fifteenth Meeting of the APANPIRG ATM/AIS/SAR Sub-Group (ATM/AIS/SAR/SG/15)

Bangkok, Thailand, 25 – 29 July 2005

Agenda Item 2:   Review the APANPIRG/15 Report and subsequent ANC/Council Actions with respect to ATM/AIS/SAR issues

REVIEW OF OUTSTANDING CONCLUSIONS AND DECISIONS OF APANPIRG

(Presented by the Secretariat)

SUMMARY
This paper outlines the outstanding conclusions and decisions of APANPIRG in the ATM/AIS/SAR fields which are relevant to the work of the ATM/AIS/SAR Sub-Group.

1.   INTRODUCTION

1.1   APANPIRG/15 (23-27 August, 2004) under its Agenda Item 5 reviewed the progress made on the outstanding conclusions and decisions of previous APANPIRG meetings including those of APANPIRG/14.   The meeting decided on a consolidated list of outstanding conclusions and decisions on which further action would be required.

2.   DISCUSSION

2.1   The list of Outstanding Conclusions and Decisions of APANPIRG/15 in the ATM/AIS/SAR field is appended (**Appendix A**).

2.2   The List of relevant Conclusions and Decisions raised during APANPIRG/15 is appended (**Appendix B**), and also the Eleventh Air Navigation Conference (AN-Conf/11) recommendations related to the ATM/AIS/SAR/SG (**Appendix C,** D15/46 refers)

3.   ACTION BY THE MEETING

3.1   The meeting is invited to review and update the list of APANPIRG outstanding conclusions and decisions shown in the Appendices to this paper for APANPIRG/16 consideration.

OUTSTANDING CONCLUSIONS/DECISIONS OF APANPIRG IN ATM/AIS/SAR FIELDS

APPENDIX A – LIST AS PUBLISHED UNDER AGENDA ITEM 5 TO APANPIRG/15

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 2/28		**Implementation of Area Control Service** That in view of recent improvements in the point-to-point communications and imminent improvement in HF air-ground communication, States concerned be urged to take urgent action to upgrade advisory and flight information services to area control service in the area over the Bay of Bengal by early 1993 along major ATS routes in their respective FIRs to enhance the safety of the rapidly increasing air traffic movement.	a) Some routes in the Arabian Sea within the Mumbai FIR are still classified Class F with Advisory Services b) States to update the Regional Office on the current status	On-going On-going Closed – Superseded by C10/4
C 3/24		**Implementation of RVSM & RNP in the Pacific Region** That, Australia, New Zealand and United States requested to prepare proposals for the implementation of RVSM and RNP in the Pacific Region based on the work done by the ISPACG.	a) RNP 4 implementation being considered (30/30 NM separation implementation in Auckland and Brisbane FIRs planned for November 2004) Note: RVSM was implemented in the Pacific Region on 24 February 2000. This action on RVSM was completed. (ATM/AIS/SAR/SG/14 noted that this Conclusion dates from APANPIRG/3, RVSM has been implemented in the Pacific Region. RNP 10 has been extensively implemented in the Pacific Region and the focus is now on RNP 4. Consider replacing this Conclusion with more up to date one)	On-going Closed – overtaken by events.

APPENDIX A

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 4/2		**States in the Asia Region to review their SAR system** That, a) States in the Asia Region review their SAR system in the context of the matters which require urgent addressing in the PAC Region and detailed in Appendix B, and advise the ICAO Regional Office. Noted the Conclusion.	a) Review of Asian States SAR is continuing. The ICAO Regional Office is actively fostering the enhancement of SAR throughout the Region as part of the normal work programme. Deficiencies will be listed as they become apparent. b) States to update the Regional Office by 30 April each year	Closed superseded, part of normal work programme of RO
C 8/9	ANC	**Co-ordinated Activity - SAR** That, ICAO undertakes co-ordinated activity on a regional basis to improve the level of SAR response throughout the Asia/Pacific Region. Noted the conclusion and requested the Secretary General to take appropriate action.	a) A SAREX and associated SAR seminar focused on the Bay of Bengal area is programmed to take place in 2004 2005; and b) A similar project will be organized for the South China Sea and Pacific islands area. Note: ICAO seminar being planned in conjunction with the Hong Kong, China annual SAREX in November 2003) Note: An ICAO seminar was held in conjunction with the Hong Kong China SAREX in November 2003 States to advise the Regional Office of their annual SAREX programmes and consider including an ICAO seminar.	2004 On-going On-going Closed superseded, part of normal work programme of RO

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 8/39	C	**CNS/ATM Training Workshops and Seminars** That, the ICAO Regional Office continue to arrange CNS/ATM training workshops and seminars with the assistance of CNS/ATM Stakeholders and partners as necessary. Noted the conclusion	Several CNS/ATM workshops and seminars were held in the year 2000. Further workshops and seminar will be programmed to be held in 2004/05 considered in 2005.	2004 On-going Closed superseded, part of normal work programme of RO
C 9/2		**Transition to WGS-84 in the ASIA/PAC Region** That, in order to achieve uniformity in aeronautical data publication across the Regions, those States which have not yet determined and published WGS-84 data, urgently undertake to complete the task in the shortest possible time frame.	States are reminded that CNS/ATM relies on WGS84 as the only datum that can be loaded into the FMS database and is fundamental to the implementation of RNP, GNSS, and ADS. ICAO Regional Office continues to undertake follow-up action with States concerned. The non-implementation of WGS-84 is listed as a Deficiency.	On-going Closed, managed by Deficiencies list
C 9/8		**ATS Route Amendments** It is reiterated that, States should provide information regarding implemented, re-aligned or deleted ATS routes to ICAO by 30 April of each year in order to permit the periodic update of the Document of ATS Route Network.	Some information has been received. States were reminded of this Conclusion at ATS/AIS/SAR/SG/12. The Document of ATS Route Network has been revised and updated. Any changes to the RANP should be notified by States through an Amendment Proposal. An ATS Route Network Review Task Force has been established by APANPIRG/14 and scheduled to meet in the 1st 3rd quarter of 2004 in September 2004.	On-going Closed, will be undertaken by ATS Route Network Review Task Force

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
~~C 9/9~~		~~**Human Factor in the Provision of ATS**~~ ~~That,~~ ~~a) ICAO consider holding Human Factors seminars in the Asia/Pacific Region which are focused directly on Human Factors associated with the provision of ATS, and;~~ ~~b) States be urged to make regular presentations to Sub Group meetings regarding "lessons learned" relating to Human Factors associated with the implementation of the new CNS/ATM Systems.~~	~~a) The first ATS Human Factors Seminar was conducted in 2000.~~ ~~b) States are urged to provide information to ICAO on lessons learned.~~	~~On-going~~ ~~On-going~~ ~~Closed, being managed by HQ~~
	~~ANC~~	~~Noted the conclusion~~		
~~D 9/39~~		~~**CNS/ATM Training and Human Resource Development Task Force**~~ ~~That, a CNS/ATM Training and Human Resource Development Task Force be established with the following Terms of Reference:~~ ~~a) Recommend a strategy for a regional approach towards planning the development and implementation of CNS/ATM training;~~ ~~b) Recommend a co-ordination mechanism for the establishment of regional training capabilities in CNS/ATM systems;~~ ~~c) Recommend a framework for regional training plans and consider the applicability of including this material in the Regional Air Navigation Plan;~~ ~~d) Take into consideration the work of ICAO TRAINAIR, the ICAO Regional Human Resources Planning and Training Needs Study Group and the APANPIRG/7 Training Task Force and recommend mechanisms for regional integration of the outputs from these groups.~~	~~The Task Force held its first meeting in July 1999. A Regional CNS/ATM Training & Human Resource Development Strategy was developed. Further work may be progressed when the outputs of the ICAO Human Resource Planning and Training Needs Study Group become available.~~	~~On-going~~ ~~Completed.~~ Sub Groups to review Human Factors Manual to be published late 2004 and raise WP for consideration by APANPIRG/ 16

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
~~C 9/51~~		~~**Strengthening the Regional Office Resources**~~ ~~That, the ASIA/PAC Regional Office resources be strengthened to permit the proper maintenance of the ASIA/PAC FASID and implementation of uniform methodology for the identification of shortcomings, the first step being the filling of the vacant AIS/MAP post.~~	~~Secretary General has been requested to take appropriate action.~~	~~On-going~~ ~~Closed, superseded by C14/53~~
	~~C~~	~~Noted the conclusion and requested the Secretary General to take appropriate action thereon~~		
~~C 10/2~~		~~**Uniform Promulgation of FIR Boundary Way-points**~~ ~~That, States review their aeronautical materials and that of their adjacent States and, through co-ordination with adjacent States, ensure uniform promulgation of FIR boundary way-points using WGS-84 as the basis of the Datum.~~	~~ICAO continues to monitor situation and will co-ordinate with individual States where the uniform promulgation of FIR Boundary way-points has not been achieved.~~	~~On-going~~ ~~Closed, managed by Deficiencies list~~
~~C 10/3~~		~~**ANP Amendment Proposal to include SIGMET in VOLMET Broadcasts (ASIA)**~~ ~~That, the ASIA/PAC Air Navigation Plan (Doc 9673) be amended to add a requirement for inclusion of SIGMET in VOLMET broadcasts for the Asia Region.~~	~~Amendment proposal APAC 99/9-ATS has been drafted and will be circulated to States and Organizations concerned. Superseded by Conclusion 14/4~~	~~On-going~~ ~~Completed (Close proposal circulated)~~

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 10/4		**Implementation of Area Control Service and 10-Minute Longitudinal Separation using Mach Number Technique in the Bay of Bengal area**		Supercedes C2/28
		1) That, States in the Bay of Bengal area	1)	
		a) Complete the upgrade of airspace from advisory and flight information services to area control service along ATS routes, as appropriate;	a) ~~implemented~~ Some routes in the Mumbai FIR remain under advisory service due to inadequate communications which is being remedied	On-going
		b) ~~complete the implementation of 10-minute longitudinal separation minima using Mach Number Technique; and~~	b) Implemented; and Note: LOAs of some States require updating. The Regional Office to coordinate	~~On-going~~ Completed
		c) identify ATS routes where 10-minute longitudinal separation minima for RNAV equipped aircraft without using MNT could be applied and implement such minima.	c) Implementation subject to provisions of ICAO separation standards.	On-going
		2) That, Sub-regional ATS Co-ordination Groups concerned place a high priority on items 1) a), b) and c) above.	2) Implementation continues to be co-ordinated through the Bay of Bengal ATS Co-ordination Group (BBACG).	On-going
~~C 11/1~~		~~**RVSM Minimum Monitoring Requirements**~~		
		~~That, ICAO be requested to develop globally applicable short and long-term RVSM minimum monitoring requirements for aircraft.~~	~~The ICAO Separation and Airspace Safety Panel (SASP) is studying the short- and long-term objectives for RVSM monitoring.~~	~~On-going~~
	~~ANC~~	~~Noted the conclusion and that SASP is studying the short- and long-term objectives for RVSM monitoring.~~	~~RMAs, RASMAG and parties concerned to review and harmonize adoption of the RVSM minimum monitoring requirements for the Asia/Pacific Region~~	~~Closed, managed by RASMAG~~

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 11/6		**Mandatory Carriage and Operation of Pressure-Altitude Reporting Transponders** That, States take immediate steps to mandate the carriage and operation of pressure-altitude reporting transponders within all FIRs in the Asia/Pacific Region.	Two surveys have been conducted in conjunction with the survey relating to the carriage of ACAS II for the purpose of monitoring the implementation status in the Region. States, as a matter of urgency, to update the Regional Office on the status of implementation.	On-going (Closed superseded by Conclusion 14/6)
C 11/9	C	**Search and Rescue Agreements between States and Establishment of a Search and Rescue Register** That, States are to complete their SAR agreements with their neighbouring States and forward such agreements to the ICAO office to be included in a register on SAR Agreements. Noted the conclusion and requested the Secretary General to urge States to complete SAR agreements with their neighbouring States and forward such agreements to ICAO.	States have been urged to complete their SAR agreements with their neighboring States. Information has been received from some ASEAN States on signed agreements with their neighbours. A registry of SAR agreements is maintained by the Regional Office and updated at the ATM/AIS/SAR/SG.	On-going Closed, managed by Deficiencies List
C 12/1		**Observation of non-compliance of RVSM operational approval procedures** That, States are urged to co-operate with APARMO to investigate RVSM approval status of operators and aircraft with the aim of resolving problems of RVSM non-compliant operations.	States were urged to co-operate with APARMO in this regard. Letter to States issued by Regional Office (2003) re update of approval status Note: The Monitoring Agency for the Asia Region (MAAR) commenced operating in September 2003 and took over responsibilities for the Asia Region from APARMO (renamed PARMO) and takes follow up action on non-compliant operators. This is also kept under review by RASMAG.	On-going Completed

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 12/3	ANC	**Implementation of RVSM in the Bay of Bengal area and beyond in conjunction with the planned implementation in the Middle East Region** That, States are urged to implement RVSM in the Bay of Bengal area and beyond in conjunction with the planned implementation in the Middle East Region on 27 November 2003 in order to realize the end-to-end seamless RVSM operation between Asia/Middle East/Europe south of the Himalayas. Noted the conclusion and requested the Secretary General to urge the States concerned to implement RVSM to provide an end-to-end Asia/Europe RVSM environment.	RVSM Task Force defined the airspace in which RVSM will be implemented on 27 November 2003, which includes Bangkok, Calcutta, Chennai, Colombo, Delhi, Dhaka, Jakarta, Karachi, Katmandu, Kuala Lumpur, Lahore, Male, Mumbai and Yangon FIRs. All States concerned have agreed to the implementation date of 27 November 2003. RVSM Task Force has been progressing its tasks towards the planned implementation in the Bay of Bengal and beyond.	On-going Completed
C 12/4		**Inter-regional co-ordination between the Asia and Middle East Regions in relation to RVSM implementation** That, ICAO facilitate inter-regional co-ordination between the Asia and Middle East Regions involving States concerned with the aim of joint harmonized implementation of RVSM.	The 1st Joint Interface Meeting of RVSM Task Forces between the Asia/Pacific and Middle East Regions involving India, Maldives and Pakistan from the Asia Region and Afghanistan, Islamic Republic of Iran, Oman, the United Arab Emirates (UAE) and Yemen from the Middle East Region, as well as IATA and IFALPA, was held was held in Abu Dhabi, UAE, from 19 to 20 October 2002. A final JCM meeting before implementation on 27 November 2003 is scheduled in Abu Dhabi on 27-28 August 2003. Note: Implementation on 27 November 2003 and on-going coordination being undertaken by RASMAG	On-going Completed

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 12/10	C	**Special implementation project – International seminar and SAREX** That, ICAO urgently consider a proposal for an Asia/Pacific Special Implementation Project to be established with the primary objective to improve search and rescue services, co-ordination and cooperation between States. Noted the conclusion and that such a project would be put forward for the Council's approval through established procedures.	~~Due to other priorities in the ATM field, it was decided to defer the Special Implementation Project on the International Seminar and SAREX to 2002. States will be approached regarding the hosting of this SAREX/Seminar. When this decision has been finalized, other States of the Bay of Bengal area will be invited to contribute to the conduct and organizational aspects of making this event a success.~~ Note: The SIP was established but was unable to be actioned. SIP approval has expired. An ICAO Seminar and SAREX for the Bay of Bengal hosted by India is planned for March 2005. The ATM/AIS/SAR/SG to keep under review and identify other candidates for SIPs.	On-going

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
~~C 12/38~~		~~**Revision and Publication of Guidance Material on CNS/ATM Operations in the Asia/Pacific Region**~~ ~~That,~~ ~~a) the *Guidance Material on CNS/ATM Operations in the Asia/Pacific Region,* Chapter 4, paragraph 6 on the application of separation using ADS be revised in line with the views of the Air Navigation Commission (157-2) on reviewing the report of APANPIRG/11 as follows:~~ ~~**6. Application of procedural horizontal separation using ADS**~~ ~~Aircraft position information obtained by ADS may be used for the application of procedural horizontal separation minima contained in the PANS-RAC (Doc 4444), Part III. Area Control Service where aircraft position reports are necessary to apply the appropriate separation minimum.~~ ~~*Note: ICAO is processing amendments to the PANS-RAC to include procedures for the provision of ADS services for air traffic control with an applicability date in November 2002.*~~ ~~b) the revised *Guidance Material on CNS/ATM Operations in the Asia/Pacific Region* be published by ICAO as soon as practicable~~	~~A Task Force was established by APANPIRG/14 to revise the APAC Guidance Material Guidance and coordinate with IPACG and ISPACG with a view to harmonize the Pacific Operations Manual.~~ ~~A Task Force meeting is scheduled 2-3 October 2003 in Honolulu to coincide with the IPACG/ISPACG/FIT meeting.~~ ~~Note: This Task is on the work programme of the ATS/AIS/SAR/SG and will be progressed with priority.~~	~~On-going~~ (Close, superseded by Conclusion 14/2)
~~D 12/39~~		~~**Development of guidance material on the use of ADS for the application of separation**~~ ~~That, the CNS/ATM/IC/SG review the provisions in the PANS-ATM. Part XII (Doc 4444) on ADS services, and develop guidance material on the use of ADS for the application of separation to be included in the *Guidance Material on CNS/ATM Operations in the Asia/Pacific Region* as appropriate.~~	~~In light of Amendment 1 to PANS-ATM and the review by ANB of the *Guidance Material on CNS/ATM Operations in the Asia/Pacific Region,* work on this item has not been progressed and needs to be taken into account in the overall review of this Guidance Material.~~	~~On-going~~ (Close, superseded by Conclusion 14/2)

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
~~D 12/47~~		~~**Follow-up actions on the Conclusions of ALLPIRG/4 Meeting**~~		
		~~That, the following conclusions of ALLPIRG/4 meeting be addressed by the relevant sub-groups as part of their work programme and report its outcome.~~ ~~Conclusions 4/1, 4/2, 4/8 and 4/13- CNS/ATM IC SG~~ ~~Conclusions 4/3 and 4/7- ATS/AIS/SAR SG~~ ~~Conclusions 4/3 - CNS/MET SG~~ ~~Conclusions 4/10 and 4/11- All Sub-Groups~~	~~Both CNS/ATM/IC/SG and ATM/AIS/SAR/SG noted the results of ALLPIRG/4 Conclusions. Action already in hand as part of the work programme of the Sub-Groups. Further follow up action will be taken as appropriate.~~	~~On Going~~
		~~Conclusion 4/3 - Increased emphasis on addressing interregional issues and missing elements~~ ~~That, with a view to facilitating interregional planning and the harmonization of air navigation systems, ICAO and the CNS/ATM partners put more emphasis on the addressing of interregional issues and the missing elements as outlined in Appendix C to the report on Agenda Item 2.~~		~~On-going~~
		~~Conclusion 4/11 - Single definition~~ ~~That ICAO be invited to refine the following single definition of a shortcoming/deficiency with a view to its incorporation into the uniform methodology for the identification and reporting of air navigation shortcomings and deficiencies:~~ ~~"A *deficiency* is a situation where a facility, service or a procedure is not provided in accordance with ICAO Standards and Recommended Practices which has a negative impact on the safety, regularity and/or efficiency of international civil aviation".~~		~~Completed~~ ~~Close superseded by recommendations to PIRGs from AN Conf 11~~

ATM/AIS/SAR/SG/15-WP/6
APPENDIX A

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
~~C 13/2~~		**~~Development of procedures relating to multi-part NOTAM and NOTAM Checks by NOTAM~~** ~~That, ICAO consider developing procedures relating to multi-part NOTAM and NOTAM Checks by NOTAM based on the procedures contained in the draft Chapter 3 of the *Guidance Manual for AIS in the Asia/Pacific Region* at Appendix C to the Report on Agenda Item 2.1, for global application, and including them in the *Aeronautical Information Services Manual* (Doc 8126).~~	~~ICAO to include guidance material covering NOTAM Check Lists in update to Aeronautical Information Services Manual (Doc 8126)~~	~~On-going (Closed, action being taken by ICAO Headquarters)~~
	~~ANC~~	~~Noted the conclusion and requested the Secretary General to take this into account when updating the *Aeronautical Information Services Manual* (Doc 8126).~~		
~~C 13/3~~		**~~Guidance Materials concerning the operating procedures for AIS dynamic data (OPADD) and the use of the Internet for information transfer as Chapters 3 and 4 respectively of the Guidance Manual for AIS in the Asia/Pacific Region~~** ~~That, the guidance materials concerning the operating procedures for AIS dynamic data (OPADD) (at Appendix C to the Report on Agenda Item 2.1) and the use of the Internet for information transfer (at Appendix D) be published as Chapters 3 and 4 respectively of the *Guidance Manual for AIS in the Asia/Pacific Region* be published in accordance with the established procedures.~~	~~Chapter 3 (OPADD) already included in regional Guidance Manual Chapter 4 (Internet) being developed by ICAO Headquarters.~~	~~On-going (Closed, action being taken by ICAO Headquarters)~~
	~~ANC~~	~~Noted the conclusion and that the Secretariat was developing a proposal for the development of guidelines for the operational use of the Internet by States to access and/or disseminate various categories of aeronautical information.~~		

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 13/5		**Development of lateral offset procedures for application in the Asia/Pacific Region** That, as a matter of urgency, the ATS/AIS/SAR Sub Group develop lateral offset procedures for application in the Asia/Pacific Region in coordination with other regional planning groups and bodies concerned.	Further development of the use of lateral offsets to be considered by the Bay of Bengal ATS Coordination Group (BBACG) and the South East Asia ATS Co-ordination Group. Note: This task is overtaken by events and the provision of new guidelines for 2 NM offset is under development by SASP.	On-going (Closed, overtaken by events 2 NM offset procedures being issued by ICAO.
C 13/6		**Amendment to the Regional Supplementary Procedures** That, the MID/ASIA and PAC *Regional Supplementary Procedures*, ICAO Doc 7030 be amended in accordance with the proposed amendment in Appendix F to the Report on Agenda Item 2.1.	The proposed amendment to the SUPPs in relation to the application of 55.5 km (30 NM) using ADS and 93 km (50 NM) lateral and longitudinal separation minima within the Asia/Pacific Regions is being circulated to States and international organizations.	On-going (Completed)
D 13/10		**ATS/AIS/SAR Subject/Task List** That, the ATS/AIS/SAR Subject/task List as contained in Appendix L to the report on Agenda Item 2.1 be adopted as the current work assignment for the AIS/AIS/SAR/ Sub-Group replace the current Subject/task List as assigned by APANPIRG/12/		On-going (Close routine task of APANPIRG)

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 13/34		**Strengthening the Civil/Military Coordination Programme** That, due to an increase in military activity within and adjacent to the Asia Pacific Region, 1. States are urged to: a) remain vigilant with regard to military activity within or near their area of responsibility; b) continue effective civil/military coordination with military authorities concerned; and, c) advise and coordinate with adjacent States and ICAO of any significant increase in military activity which may have an affect on international aircraft operations. 2. ICAO to arrange an Asia/Pacific Regional Seminar on Civil/Military Coordination and, if considered necessary, to follow-up with sub-regional Civil/Military Co-ordination Workshops in areas as deemed appropriate.	A Seminar had been planned for 2003, but postponed due to disrupted meeting schedule, and to be re-scheduled for 2004. States are encouraged to strengthen activities in this area States are encouraged to strengthen activities in this area States are encouraged to strengthen activities in this area Regional Office has scheduled a Seminar for December 2004.	On-going
~~C 13/44~~		~~**Support for States to establish Safety Management Systems to meet the obligation of Annex 11**~~ ~~That, ICAO and States with safety management expertise support the implementation of Annex 11 safety management system requirements through holding seminars, workshops and the provision of guidance material.~~	~~This subject has been addressed by the APASM TF which endorses the need for assistance to States to establish Safety Management Systems, supported by the following:~~ ~~a) Hold SMS Seminar in the first quarter of 2004;~~ ~~b) Consideration be given to development of regional guidance material; and~~	~~On-going (Closed – subject under RASMAG)~~ ~~Completed~~ ~~Being addressed by~~

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
				~~RASMAG)~~ ~~(Being addressed by RASMAG)~~
			~~e) Encourage States with appropriate expertise to assist other States with the development of their SMS.~~ ~~Note: APANPIRG/14 established the RASMAG which under its terms of reference assists States to achieve established levels of safety for international airspace within the Asia/Pacific Region and facilitates the distribution of safety related information to States. A SMS seminar was held in Singapore in December 2003 and another seminar is planned in Beijing in November 2005.~~	
~~C 13/47 (Corrig. No.1)~~		~~**Key Priorities for CNS/ATM Implementation**~~ ~~That, in order to facilitate the implementation of the Key Priorities for CNS/ATM in the Asia/Pacific Region, ICAO is requested to:~~ ~~a) re-convene the FANS Action Team for the Bay of Bengal (FAT-BOB), and form a similar group for the Western Pacific/South China Sea; and,~~ ~~b) adopt the broad terms of reference for these groups as follows:~~ ~~i. identify elements of the key CNS/ATM priorities which have not been implemented on a coordinated basis;~~ ~~ii. consider the implementation of these elements, on a prioritized basis, taking into account user operational requirements, cost-benefit and environmental concerns; and,~~ ~~iii. develop action plans for CNS/ATM implementation as appropriate on a collaborative basis.~~	~~a) A meeting of the BBACG and FAT-BOB is scheduled on 8-12 September 2003.~~ ~~b) A meeting of the SEACG and FAT-SEA is scheduled on 8-12 December 2003.~~ ~~Note: BBACG/13 & FIT-BOB/2 (FAT-BOB renamed) was held in September 2003. SEACG/11 and FIT-SEA/1 was held in May 2004. The work plans of these groups addresses the matters raised.~~	~~On-going~~ (Completed)

ATM/AIS/SAR/SG/15-WP/6
APPENDIX A

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
	ANC	Noted the conclusion and that the FANS action team has been reconvened to develop an action plan so as to identify and implement the elements of the key CNS/ATM priorities which have not been implemented on a coordinated basis.		
C14/1	ANC	**Review of the ICAO flight plan to include aircraft RNP type approval status** That, in light of the requirements of some States for a detailed knowledge of the RNP type approval status of aircraft, ICAO be requested to review current flight planning equipment suffix provisions and revise the ICAO Flight Plan accordingly. Noted the conclusion and that it had already agreed to the establishment of a study group to address this issue.	A Study Group has been established by ICAO Headquarters.	Closed (Action being taken by HQ)
C14/2		**Revision of the *Guidance Material on CNS/ATM Operations in the Asia/Pacific Region*** That, as a matter of priority, and in line with the review by ICAO at the request of the Air Navigation Commission, a Task Force be established to revise the *Guidance Material on CNS/ATM Operations in the Asia/Pacific Region*, in coordination with States responsible for the Pacific Operations Manual (POM) with the intent of harmonizing both documents.	A Review Task Force was established and met in Honolulu, Hawaii in October 2003, and conducted an extensive review of the Guidance Material addressing comments provided by ICAO Headquarters. Also, the operations procedures document used in the Pacific Region (Pacific Operations Manual) was also reviewed and harmonized with ICAO requirements to the extent possible. A revision to the Guidance Material is under preparation by the Regional Office.	Completed
C14/4		**Circulation of amendment proposal APAC 99/9-ATS (Sigmet in Volmet) to the APAC ANP (Doc 9673)** That, the Asia/Pacific Regional Office circulates the amendment proposal APAC 99/9-ATS to the Asia/Pacific ANP (Doc 9673) to States and international organizations.	APAC 99/9-ATS was circulated to States and International organizations for comment by the Regional Office on 20 May 2004. The results are under review.	Completed

A-16

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C14/5		**ATS Route Network Review Task Force (ARNR/TF)** That, a Task Force comprising representatives from States and appropriate International Organizations be formed to review the ATS route network for the Asia/Pacific Region with draft Terms of Reference as shown in Appendix B to the Report on Agenda Item 2.1.	The Regional Office requested States and users by letter to identify present and future route requirements to be considered by ARNR/TF/1 to be held in September 2004.	On-going
C14/6	ANC	**Implementation of ACAS II and pressure-altitude reporting transponders in the Asia Pacific Region** That, States in the Asia/Pacific Region as a matter of urgency implement ACAS II and pressure-altitude reporting transponders required by Annex 6 especially in view of RVSM operations. Noted the conclusion and, as one of the possible means, requested the Secretary General to write specifically to States not having done so to urge them to ensure carriage of ACAS II and pressure-altitude reporting transponders by aircraft in accordance with Annex 6 provisions.	ICAO State Letter AN 11/6.1-04/31 issued on 30 April 2004 on a proposed amendment to Annex 6 on additional requirements for carriage of ACAS II and associated training requirements for pilots. States to update the Regional Office on status of implementation of ACAS II and pressure-altitude reporting transponders. During APANPIRG/15, States undertook to update Regional Office by the end of 2004. States not in compliance with the SARPs will be included on the Deficiencies list	On-going
C14/7		**Implementation of a 2 NM lateral offset procedure** That, subject to the ICAO guidelines being revised, States should develop a 2 NM lateral offset procedure to be implemented in all relevant airspace in the Asia/Pacific Region, and the Regional Supplementary Procedures amended as appropriate. This procedure to be harmonized with other regions to ensure uniform application globally.	A State Letter is under preparation by ICAO Headquarters to revise the guidelines for 2 NM offset procedures to be applied globally . Based on the ICAO revised guidelines, States to promulgate in State AIPs the routes and airspace where offsets are authorized as required by Annex 2 (Chapter 3, 3.6.2.1.1).	On-going

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
~~D14/8~~		~~**Reactivation and renaming of the AIS Automation Task Force**~~ ~~That, the AIS Automation Task Force be reactivated and renamed the AIS Implementation Task Force (AITF) to study AIS automation and related matters, and assist States to implement ICAO SARPs on AIS in an expeditious manner. Amended terms of reference are provided in Appendix E of the report on Agenda Item 2.1.~~	~~AIS Implementation Task Force has been activated; first meeting is scheduled for 29 November - 3 December, 2004.~~	~~Completed~~
C14/9		**AIRAC provisions** That, ICAO be requested to again reinforce to States the critical safety nature of AIS and adherence to Annex 15 provisions, particular those relating to AIRAC, as well as the need to ensuring accurate and timely publication of AIS data.	Timelines for the dissemination of changes to AIS are contained in Annex 15. The AIS Implementation Task Force (AI/TF) to undertake a study of the application of Annex 15 requirements.	On-going
~~D14/11~~		~~**Revision to the Title of the ATS/AIS/SAR Sub-Group**~~ ~~That, the title of the ATS/AIS/SAR Sub-Group is changed to the ATM/AIS/SAR Sub-Group to more adequately reflect the activities of the group.~~	~~The Sub-Group has been renamed the ATM/AIS/SAR Sub-Group.~~	~~Completed~~
C14/45		**Fostering of exchanges between MET and ATM** a) the MET Authorities/Providers of the States, be encouraged to continually assess with the corresponding ATM authorities the requirements for MET information with the aim of developing new products/information to support the ATM, bearing in mind the potential costs and benefits involved; and b) ICAO be invited, in coordination with WMO, to organize a MET/ATM coordination seminar in ASIA/PAC Region in 2004, to foster the exchanges between the MET and ATM experts in		

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
	C	order to facilitate further development of the MET component of the CNS/ATM systems in the ASIA/PAC Region. Noted the conclusion and invited the Secretary General, in coordination with WMO, to organize a MET/ATM coordination seminar in the ASIA/PAC Region during 2004.	A seminar to be scheduled by the Regional Office during 2005.	On-going
D14/46		**Amendment to the key priorities for implementation of the CNS/ATM systems of the Asia/Pacific Region** That, the amended list of Key Priorities for implementation of the CNS/ATM systems for the Asia/Pacific Region be adopted as shown in Appendix B to the Report on Agenda Item 3.	The list was reviewed and updated by the CNS/MET/8 and ATM/AIS/SAR/14 Sub-Group meetings. Note: APANPIRG/15 abandoned this list, replaced with specific Sub Groups Lists	Completed
D14/47		**Establishment of the Future Directions Task Force** That, a post 11th Air Navigation Conference Future Directions Task Force be established in accordance with the Terms of Reference as shown in Appendix C to the Report on Agenda Item 3.	The Future Directions Task Force (FDTF) was established and met on 17 - 19 May 2004. As the work of the Task Force was completed at this meeting, the FDTF formulated Draft Decision 1/4 recommending the dissolution of the Task Force.	Completed
D14/48		**Establishment of the Regional Airspace Safety Monitoring Advisory Group** That, the Regional Airspace Safety Monitoring Advisory Group (RASMAG) be established with terms of reference as shown in Appendix D to the Report on Agenda Item 3. The RASMAG shall report annually to APANPIRG and the ATM/AIS/SAR/SG on the results of its airspace safety monitoring activities. The members of the Group should comprise experts from the regional monitoring agencies and other specialists as required.	The RASMAG was established and first met on 26 - 30 April, 2004. The second meeting of RASMAG is scheduled for 4 - 8 October, 2004.	Completed

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
D14/49		**To dissolve the Asia/Pacific Airspace Safety Monitoring Task Force** That, the Asia/Pacific Airspace Safety Monitoring Task Force, having completed its work programme, be dissolved.	The Asia/Pacific Airspace Safety Monitoring Task Force (APASM/TF) was dissolved by this Decision.	Completed
C14/53	C	**Filling up key vacant posts in the ASIA/PAC Regional Office** That, the ASIA/PAC Regional Office resources be strengthened by filling up the ATM and AIS/MAP vacant positions. Noted the conclusion and requested the Secretary General, as a matter of urgency, to strengthen the Asia/Pacific Regional Office specifically by filling the AIS/MAP vacant post.	ATM is at full strength as of June 2004. The AIS/MAP position remains vacant. Note: Triennium Budget proposal 2005/07 from Council for consideration by 35th Assembly (Oct 2004) does not include provision for maintaining existing establishment of Regional Officers. Consequently the AIS/MAP Post has been abolished and the ATM P4 Post becoming vacant in May 2005 is also expected to be abolished.	Closed, being actioned by HQ, no positive outcome to be expected.

APPENDIX B - LIST OF RELEVANT CONCLUSIONS/DECISIONS IN ATM/AIS/SAR FIELDS FROM APANPIRG/15

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
D15/1		**To dissolve the EMARSSH Task Force** That, as the EMARSSH Task Force has completed the EMARSSH project, and that all outstanding issues have been identified and follow up actions completed or assigned to ATS coordination groups as appropriate, the EMARSSH Task Force be dissolved.	ICAO Regional Office took follow-up action and referred outstanding matters to the respective ATS coordination groups	Completed
C15/2		**Capture and Circulate Lessons Learnt from EMARSSH Task Force** That, the valuable lessons learnt by the EMARSSH Task Force be highlighted to ICAO and States as beneficial in the conduct of project based Task Force activities.	ICAO Headquarters advised ATS Coordination Groups updated	Completed
C15/3		**Review of ATS Route Requirements** That, States and users undertake a thorough review of their ATS route requirements (including future requirements) and any changes that have been made to existing routes, and submit this information to the ATS Route Network Review Task Force meeting on 6-10 September 2004.	ARNR/TF completed its task to review APAC ATS route requirements and incorporated these in an ATS Route Catalogue to be presented to APANPIRG/16 for adoption	Completed
D15/4		**Revision to the Terms of Reference of RASMAG** That the Terms of Reference and Task List of RASMAG be revised as shown in **Appendix C** to the Report on Agenda Item 2.1.	RASMAG updated	Completed

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
D15/5		**Adoption of the term Safety Monitoring Agency (SMA)** That, the term Safety Monitoring Agency (SMA) be used to describe an organization approved by regional agreement to provide airspace safety services for international airspace in the Asia/Pacific Region for implementation and operation of RNP, reduced horizontal separation and data link.	Note: RASMAG/2 proposed rewording of D15/5 to be presented to APANPIRG/16	On-going
C15/6		**Designation of Airservices Australia to provide RMA and SMA services for the international airspace within the western part of the Melbourne and Brisbane FIRs** That, recognizing the safety management services provided by Airservices Australia for RVSM with the international airspace of the western part of the Melbourne and Brisbane FIRs, they be designated as the Regional Monitoring Agency for RVSM and as the Safety Monitoring Agency for RNP, data link services and related separation minima.	ICAO Regional Office updated RASMAG and States	Completed
C15/7		**FANS 1/A Operations Manual (FOM)** That, the FANS 1/A Operations Manual (FOM) be used by States and users in the Asia and Pacific Regions as a basis for operating automatic dependent surveillance (ADS) and controller pilot data link communications (CPDLC) in conjunction with Annex 10 – *Aeronautical Telecommunications* Volume II – *Communications Procedures* including those with PANS status, the *Procedures for Air Navigation Services – Air Traffic Management* (PANS–ATM. Doc 4444) and the *Guidance Material on CNS/ATM Operations in the Asia and Pacific Region*	ICAO Regional Office updated Sates and ATS coordination groups (Note: ICAO Headquarters developing global material based on the FOM and NAT document and regional guidance material to be reviewed in due course)	Completed

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C15/8		**Implementation of a 2 NM lateral offset procedures in the ASIA/PACIFIC Region** That, States in the Asia/Pacific Region implement the 2 NM lateral offset procedures to the right of centre line in accordance with ICAO guidance on a common AIRAC date to be coordinated by the ICAO Regional Office with States, ATS Coordination Groups and users concerned.	Generally implemented by relevant APAC States on AIRAC 20 January 2005 and 17 March 2005. Other States advised to consider implementation	On-going
C/15/9		**Review of Annex 11 airspace classification provisions for RVSM and RNP operations** That, ICAO review the airspace classification provisions in Annex 11 to clarify requirements for specifying the class of airspace appropriate for RVSM and RNP operations (where reduced horizontal separation was introduced based on safety assessments requiring a collision risk model to be carried out)	ICAO Headquarters reviewing Annex 11 requirements	On-going
C15/10		**Amendment to the Terms of Reference of the ATM/AIS/SAR/SG** That, proposed amendments to the Terms of Reference of the ATM/AIS/SAR/SG as presented in Appendix G to the Report on Agenda Item 2.1 be adopted.	ICAO Regional Office updated ATM/AIS/SAR/15	Completed
D15/45		**Seminar on the operation of the New Larger Aircraft** That, a seminar be convened in 2005 to share the experiences by States in preparing for the operation of the Airbus A380 scheduled for commercial operation in 2006	Seminar held on 6-8 June 2005	Completed

ATM/AIS/SAR/SG/15-WP/6
APPENDIX B

Report Reference ---------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
D15/46		**Implementation of AN-Conf/11 Recommendations by APANPIRG** That, the following recommendations of AN-Conf/11 be studied by the concerned Sub-Groups, action taken to implement them, and the outcome presented to APANPIRG: Recommendations 1/1, 1/10, 1/13, 4/1, 4/2, 6/11 and 7/1: ATM/AIS/SAR/SG Recommendations 1/1, 1/10, 1/13, 4/1, 4/2, 6/11, 7/1 and 7/3: CNS/MET/SG Recommendations 4/8: DRTF	Included on ATM/AIS/SAR/SG Task List	On-going
C15/47		**Implementation of AN-Conf/11 Recommendations by States** That, States of the Asia/Pacific Region take action to implement the following twenty-five recommendations of AN-Conf/11: 1/1, 1/2, 1/7, 1/10,1/13, 1/15, 2/2, 2/3, 2/7, 2/8, 4/1, 4/2, 4/5, 4/6, 4/8, 4/9, 5/1, 6/1, 6/2, 6/9, 6/13, 6/14, 7/1, 7/2 and 7/3	APAC States informed to take action	On-going
C15/48		**Implementation of AN-Conf/11 Recommendations by international organizations** That, international organizations take action to implement the following twelve recommendations of AN-Conf/11: 1/1, 1/7, 1/10, 1/13, 4/8, 5/1, 6/1, 6/2, 6/9, 6/13, 7/2 and 7/3	APAC International Organizations informed to take action	On-going

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
D15/49		**Assignment of new Tasks to the ATM/AIS/SAR and CNS/MET Sub-Groups** That, the following tasks be included in the Subject/Tasks List of the ATM/AIS/SAR and CNS/MET Sub-Groups: a) review key priorities for implementation of CNS/ATM systems for the ASIA/PAC region, identify new items as required and monitor implementation; and b) make recommendation aimed at improving ATM and CNS support for Terminal Area and Airport Operations, respectively.	Included on AT./AIS/SAR/SG Task List	Completed
D15/50		**Dissolution of the CNS/ATM Implementation Coordination Sub-Group** That, in consideration of optimizing the effectiveness and efficiency of the contributory bodies of APANPIRG and in accordance with the provisions of the APANPIRG Procedural Handbook, the CNS/ATM/IC/SG be dissolved	ICAO Regional Office advised all parties concerned	Completed
D15/51		**Dissolution of the Future Directions Task Force** That, the Future Directions Task Force, having completed its work programme as set out in its Terms of Reference, be dissolved.	ICAO Regional Office advised all parties concerned	Completed

Report Reference ----------- Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
D15/52		**Sub-Group Key Priority Lists** That, in order to identify priorities for CNS/ATM implementation programmes or highlight other critical functions of the Sub-Groups' work programmes, the CNS/MET and ATM/AIS/SAR Sub-Groups are to compile and evaluate Key Priority lists relevant to their activities for review by APANPIRG. Lists should be highly focused, fit the purpose intended and be time bounded.	ATM/AIS/SAR/SG/15 developing Key Priority List related to its activities	On-going
D15/53		**Developments of simplified tools and associated guidance for estimating environmental benefits of CNS/ATM systems at the national level** That the ATS Route Network Review Task Force support CAEP in developing a simplified tool and associated guidance for estimating environmental benefits of CNS/ATM systems, and that the tool be applied in its task of route review to reflect environmental benefits accordingly.	ARNR/TF incorporated analysis of environmental benefits in ATS Route Catalogue	Completed
C15/54		**Adoption of ASIA/PAC Supplement to the Uniform Methodology** That, the ASIA/PAC Supplement to the Uniform Methodology for the Identification, Assessment and Reporting of Air Navigation Deficiencies be adopted and circulated to States and International Organizations	ICAO regional office informed all parties concerned	Completed

AN-CONF/11 RECOMMENDATIONS 1/1, 1/10, 1/13, 4/1, 4/2, 6/11 AND 7/1 RELATED TO ATM/AIS/SAR/SG IN REGARD TO DECISION 15/46

Recommendation 1/1 ─ Endorsement of the global ATM operational concept

That:

a)   ICAO, States and planning and implementation regional groups (PIRGs), consider the global ATM operational concept as the common global framework to guide planning and implementation of ATM systems and to focus all ATM development work;

b)   the global ATM operational concept be used as guidance for the development of ICAO CNS/ATM related provisions;

c)   States with the support of the other members of the ATM community undertake work to validate the seven components in the global ATM operational concept; and

d)   ICAO, States and PIRGs develop transition strategies for implementation of ATM systems based on the global ATM operational concept.

Recommendation 1/10 ─ Status of the *Global Air Navigation Plan for CNS/ATM Systems* (Doc 9750)

That States and planning and implementation regional groups (PIRGs) consider the *Global Air Navigation Plan for CNS/ATM Systems* (Doc 9750) as a catalyst for change, p[providing a global safety and interoperability framework while allowing regional or local adaptation to efficiently meet regional and local needs.

Recommendation 1/13 ─ Harmonization of air navigation systems

That ICAO and the ATM community explore the possibility of developing a mechanism for implementing the interregional interface applications with a view to facilitating the harmonized implementation of air navigation systems giving rise to a global ATM system in an evolutionary fashion.

Recommendation 4/1 ─ Harmonization of air navigation systems between regions

That ICAO:

a)   maintain, and develop further, a coordination mechanism between regions for planning and implementation of capacity-enhancing measures and ATM performance improvement between regions for a harmonized evolution aimed at enhancing aviation efficiency and safety;

b)   be systematically involved in any regional initiatives aiming at enhancing ATM capacity and performance; and

c)   Urge States, who have not already done so, to establish National CNS/ATM coordination and implementation committees, with a point of contact to be made known to the respective ICAO Regional Offices, so as to facilitate harmonized transition to CNS/ATM systems.

APPENDIX C

Recommendation 4/2 ─ Investigation of performance-driven planning and implementation methods

That States study the approach to planning and implementation commonly adopted by European States, with a view to the possible application of its elements in their respective regions.

Recommendation 6/11 ─ Amendment to the Global Plan ─ Navigation

That:

a)   the *Global Air Navigation Plan for CNS/ATM Systems* (Doc 9750) be amended as shown in Appendix C to the report on Agenda Item 6; and

b)   updated CNS/ATM systems implementation time lines contained in Part II of the Global Plan be reviewed by the regional implementation group and consolidated for incorporation in the next edition of the Global Plan.

Recommendation 7/1 ─ Strategy for the near-term introduction of ADS-B

That States:

a)   note that a common element in most of the approaches currently adopted for early implementation of ADS-B is the selection of the SSR Mode S extended squitter as the initial data link; and

b)   take into account this common element to the extent possible in their national and regional implementation choices in order to facilitate global interoperability for the initial introduction of ADS-B.

─ END ─