AGENDA ITEM 5: REVIEW OF OUTSTANDING CONCLUSIONS AND DECISIONS

OF APANPIRG

Agenda Item 5: Review of Outstanding Conclusions and Decisions of APANPIRG

- 5.1 The meeting reviewed the progress made on the outstanding conclusions and decisions of APANPIRG including the conclusions and decisions of its eleventh meeting.
- 5.2 The actions taken by States and the Secretariat on the above mentioned conclusions and decisions were reviewed and updated. The meeting decided on a consolidated list of outstanding conclusions and decisions on which further action were required, as included in Appendix A to the Report on Agenda Item 5.

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

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 airground 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.	Area Control Services is now provided over the most of the Bay of Bengal area except for the southern portion where point-to-point communications are not reliable.	On-going
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-10 has been implemented in most of the Pacific Region. Central Pacific in October 2002. b) RNP4 implementation being considered. Note: RVSM was implemented in the Pacific Region on 24 February 2000. This action on RVSM was completed. 	On-going On-going
C 4/2	C	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.	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 6/13		SAR Agreements That, a) States are encouraged to develop formal SAR agreements on a bi-lateral or multi-lateral basis; and b) ICAO establish and maintain a register of SAR agreements between States.	 a) The Regional Office continues to encourage States at regular intervals b) A register has not yet been established. Monitoring undertaken by ATS/AIS/SAR/SG 	Closed Closed
C 6/19	С	Japan Area "G" That, the Task associated with Japan area "G" be removed from the work programme of ATS/AIS/SAR/SG as the problem had been determined not to be of an ATS or AIS technical nature, noting that APANPIRG and ICAO will take further steps as appropriate. Noted the conclusion and requested the Secretary General to pursue the subject as a matter of high priority and report the outcome to the Council and inform the APANPIRG accordingly.	* This Task is superseded by Conclusion 11/9. The Task has been removed from the work programme of ATS/AIS/SAR/SG. No progress could be made by the Secretariat on this subject. Japan is currently undertaking internal co-ordination with respect to resolving this issue.	On-going
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 2003:b) A similar project will be organized for the South China Sea and Pacific islands areas.	2003 On-going

Report Reference 	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
Conc/Dec No				
C 8/39		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.	Several CNS/ATM workshops and seminars were held in the year 2000. Further workshops and seminar will be programmed to be held in 2003/04.	To be completed in 2003/04
	С	Noted the conclusion		
C 9/1		Implementation of the Revised South China Sea ATS Route Structure		
		Noting the need to expedite progress, it is reiterated that, in the interest of improved efficiency and to enhance the ongoing safety of operations over the South China Sea (SCS), China and Viet Nam are strongly urged to continue their efforts, under the auspices of ICAO, with the aim of resolving outstanding issues which will permit the early implementation of the Revised South China Sea ATS Route Structure.	The revised South China Sea ATS route structure was implemented on 1 November 2001.	Completed
	С	Noted the conclusion, its relation to APANPIRG/8 Conclusion 8/2 and the need to continue the on-going efforts of the parties with the support of ICAO to implement the revised South China Sea ATS route structure.		
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, TAWS 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

Report Reference Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 9/6		Establishment of Area Control Service and 10-Minute Longitudinal Separation using Mach Number Technique		
		That, States,		
		a) Identify ATS routes where the 10-minute longitudinal separation minima for RNAV equipped aircraft using MNT could be applied and subsequently implement such minima before the end of 1999.	a) With respect to the application of MNT, an amendment proposal to the Regional Supplementary Procedures (Doc 7030) (APAC-S 00/5), which enables the application of the minimum longitudinal separation of 10 minute using MNT within the whole Asia/Pacific Region, was approved on 21 September 2001.	Completed
		b) Identify ATS routes where 10-minute longitudinal separation minima can be applied for RNAV equipped aircraft without using MNT.	b) Implementation subject to provisions of ICAO separation standards.	On-going
	С	Noted the conclusion.		
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.	On-going
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;	a) The first ATS Human Factors Seminar was conducted in 2000.	On-going
		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.	b) States are urged to provide information to ICAO on lessons learned.	On-going
	ANC	Noted the conclusion		

Report Reference Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
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	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
		Training Task Force and recommend mechanisms for regional integration of the outputs from these groups.		

Report Reference 	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	Secretary General has been requested to take appropriate action.	On-going
	С	step being the filling of the vacant AIS/MAP post. 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
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. On-going consultation with provider States and users is continuing.	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 10/4		Implementation of Area Control Service and 10-Minute Longitudinal Separation using Mach Number Technique in the Bay of Bengal area		
		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;	Completed
		b) complete the implementation of 10-minute longitudinal separation minima using Mach Number Technique; and	b) Implemented;	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).	Closed

Report Reference 	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 10/7		Carriage of ACAS and Pressure-Altitude Reporting Transponders		
		That, a) ICAO survey States in the Asia Pacific Region and ascertain the implementation plans of States regarding the carriage of ACAS and pressurealtitude reporting transponders with respect to APAC-S 98/4 B ASIA/PAC RAC;	a) ICAO conducted a survey on 22 October 1999, and information provided by States was compiled. In order to obtain additional and more specific information, ICAO conducted the 2nd survey in Aug 2000.	Completed
	С	b) Operators upgrade to ACAS as soon as possible. Noted the conclusion in relation to the worldwide implementation of ACAS II by January 2003 and requested the Secretary General to initiate a worldwide survey to ascertain the implementation plans of States for ACAS II.	b) ATS/AIS/SAR SG recognized a need to establish a transition period to allow operators to use TCAS version 6.04 as an interim measurement before equipping their aircraft with ACAS II completely by 1 January 2002.	On-going
C 10/37		Development of General Contingency Plans That, The Asia Pacific Regional and State Y2K Contingency Plans and SLOAs or MOUs be used to form the basis on which to develop general contingency arrangements which will permit the continuation of air traffic in the event of any significant degradation of air traffic services and systems.	States have agreed to revise their general contingency plans using their Y2k State Contingency Plans as a model. A target date for finalization of State Contingency Plans to be the end of 2003.	To be completed by 2003
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.		

Report Reference Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 11/4		Guidance Material on CNS/ATM Operations in the Asia/Pacific Region		
		That, the revised Guidance Material on CNS/ATM Operations in the Asia/Pacific Region be adopted and circulated to States and appropriate International Organizations.	The Air Navigation Commission on reviewing the report of APANPIRG/11, was of the view that the revised edition of the document should not include material on the application of separation based on ADS until proposed amendments to the Procedures for Air Navigation Services – Rules of the Air and Air Traffic Services (PANS-RAC, Doc 4444), had been approved by ICAO.	Closed
			The revised Guidance Material on CNS/ATM Operations in the Asia/Pacific Region will be published in accordance with the guidance provided by the Air Navigation Commission, as soon as practicable.	
			* This Task is superseded by Conclusions 12/38 and 12/39.	
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.	On-going
C 11/7		Implementation of ACAS II		
		That States;		
		a) promulgate their implementation plans mandating the carriage and operation of ACAS II; and	Two surveys have been conducted. The secretariat continues to monitor the implementation. The result was presented to APANPIRG in the ATS/AIS/SAR/SG/11 Report. Non-implementation of ACAS II after 1 January	1 January 2003
		b) where this is in advance of the globally agreed date of 1 January 2003, provide for the continuing use of TCAS with Version 6.04A logic with a transition plan to phase out systems with Version 6.04A logic by 1 January 2002.	2003 is to be identified as Deficiency.	
	С	Noted the conclusion and requested the Secretary General to		

Report Reference 	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
		urge States to take action to mandate the carriage of ACAS II by the globally agreed date of 1 January 2003.		
C 11/8		SAR Capability Matrix That, a) the "SAR Capability Matrix" be distributed to States for information and action as appropriate; and b) States provide information to ICAO by 30 April 2001 to	a) The "SAR Capability Matrix" was distributed to States;b) Updated information was presented at ATS/AIS/SAR/SG/11.	Completed Completed
C 11/9		permit the periodic update of the Matrix. 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	States have been urged to complete their SAR agreements with their neighboring States. Information has been received from some ASEAN States on signed	On-going
	C	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.	agreements with their neighbours.	

Report Reference Conc/Dec No	Action by ANC/ Council	Decision/Conclusion Title/ ANC/Council Action, if any	Action by States/ICAO	Status
C 11/10		Development of a Revised ATS Route Structure - Asia to/from Europe/Middle East, South of the Himalayas (EMARSSH)		
		That, taking into account the introduction of Required Navigation Performance (RNP), Area Navigation (RNAV) and Reduced Vertical Separation (RVSM) into the Asia Pacific region, States, ICAO and IATA develop a revised ATS route structure - Asia to/from Europe and the Middle East south of the Himalayas, to gain the benefits of existing aircraft capabilities together with CNS/ATM enhancements.	A Task Force was established, led by a Core Team. Seven sub-regional meetings have taken place. Phase 1 implementation involving Australia, Indonesia, Malaysia and Singapore took place on 29 November 2001. Further Task Force meetings are planned to complete the work. Implementation of the revised route structure is scheduled for AIRAC Date of 28 November 2002.	To be completed on 28 November 2002
	ANC	Noted the conclusion and requested the Secretary General to organize an interregional coordination meeting to address interface issues to ensure end-to-end connectivity in the revised ATS route structure.		
C 11/11		Planning and Implementation Strategy		
		That, to achieve the success of the project, the following Strategy will be used:		
		a) development of a set of principles for restructuring the routes;	a) a set of Principles were adopted and agreed to;	Completed
		b) development of a project plan;	b) a project plan has been formulated;	Completed
		c) form a small project or core team to initiate, develop and lead the project through to implementation;	c) a Core Team was established consisting of Australia, Hong Kong, China, India, Singapore, IATA and ICAO as Chairman of the Core Team;	Completed
		d) plan a number of sub-regional meetings to progress the work; and	d) seven meetings have taken place. Further meetings, including a post- implementation review meeting, are planned; and	On-going
		e) full co-ordination with adjacent regions with regard to the development of the route structure and procedures to be maintained.	e) inter-regional coordination was conducted throughout the planning and implementation of this project.	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 11/12		Principles to be Used in the Development of the Route Network		
		That, the following Principles will be used in developing this route structure:	All 5 Principles are being considered in the development and implementation of the revised ATS route structure.	Completed
		1. that, using the advantages of CNS/ATM implementation, a revised ATS trunk route structure between Southeast Asia and Europe/Middle East will be developed. The planning of these routes structures should take advantage of existing and on-going CNS/ATM technologies in order to provide safe and efficient air traffic management with the least impact to environmental concerns;		
		2. that, these ATS trunk routes be developed primarily for international long-haul and medium-haul flights, however they may also be used where necessary for other regional and domestic operations;		
		3. that, as much as possible, planning of ATS trunk routes will be on the basis that each route is laterally separated from each other;		
		4. that, the development of these route structures will be fully co-ordinated amongst the involved Asia/Pacific ATS Providers and airlines. Also, due to the length of these trunk routes, harmonisation is required with both MID and EUR Regions; and		
		5. that co-operation is required between all concerned states and the aviation industry to ensure an efficient flow of international aircraft operations between Asia, Europe and the Middle East.		

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OUTSTANDING CONCLUSIONS/DECISIONS IN THE CNS/MET FIELDS

Report Reference Concl./Dec. No.	Action by ANC/Council	Decision/Conclusion/ Action Taken	Action by States/ICAO	Status
C 5/19		Need for technical assistance to support WAFS implementation in the ASIA/PAC Regions That, ICAO initiate action to provide technical assistance in terms of equipment and training of personnel under the Technical Co-operation Programme to those States that are in need of assistance to receive WAFS products by satellite broadcast.	The use of SADIS and ISCS/2 by ASIA/PAC States has continued to grow and further expansion is expected. Implementation of the SADIS and ISCS/2 is being monitored to define the extent of the assistance required.	On-going
	С	Noted the conclusion and requested the Secretary General to take action as appropriate.		
C 9/18		Operational efficacy of OPMET messages That, a) ICAO carry out a survey on the operational efficacy of the ISCS/2; and b) Results of the survey be made available to the ISCS/2 provider Stat and reported to the COM/MET/NAV/SUR SG/3 Meeting.	 Proposal to carry out a survey on the operational efficacy of the ISCS/2 was forwarded to the ISCS Provider State for review and consideration. The United States was invited to review the proposed survey form and to provide comments. 	To be completed 2004-2005
C 10/19	C	That, ICAO give consideration to the future development of the WAFS with a view of meeting the States' requirements for WAFS and non-WAFS products after transition to the final phase of WAFS and RAFCs cease to operate. Noted the conclusion and requested the Secretary General to arrange for a study on how to meet any non-WAFS requirements indicated by States, in response to the survey requested in Conclusion 10/20.	Proposal is being studied by the Secretariat with assistance of the WAFSSG. The subject is included in the Agenda of the MET Divisional Meeting, September, 2002.	On-going

Report	Action by	Decision/Conclusion/	Action by States/ICAO	Status
Reference	ANC/Council	Action Taken		
Concl./Dec. No.				
C 10/21		Internet access to the WAFS products and OPMET data That, ICAO consider developing the policy for use of the Internet by States to obtain the WAFS products and OPMET data for operational purposes.	The Uniform policy for the use of the Internet by States for operational purposes is being developed by the Secretariat as requested by the ANC. It is included in the agenda of the MET Divisional Meeting to be held in September 2002. The United Kingdom implemented the SADIS internet-	On-going
	ANC	Noted the conclusion and its relationship to APIRG/12 conclusion 12/27 and requested the Secretary General to consider developing a uniform policy for the use of the Internet by States to obtain WAFS products and OPMET data for operational purposes, as well as for the dissemination for AIS products.	based service as a back-up to the SADIS broadcast to be provided only to States and users authorized to receive SADIS and ISCS broadcasts. SADIS FTP back-up service has been operational since May 2002.	
C 10/22		Dissemination of ASIA/PAC OPMET data to WAFC Washington That, a) Tokyo ROBEX OPMET Data Bank forward ASIA/PAC METAR bulletins to the WAFC Washington; b) Brisbane and Nadi ROBEX OPMET Data Bank forward ASIA/PAC TAF bulletins to the WAFC Washington; and c) The operational procedures and the respective responsibilities of the data banks to facilitate distribution of the ASIA/PAC OPMET data to the WAFCs London and Washington be as shown in Appendix I to the report on the Agenda Item 2.2.	The ASIA/PAC and global OPMET data is available at the Washington WAFC from the Centres concerned and from London WAFC for the ISCS broadcast.	Completed
C 10/23		Revision of the ROBEX Scheme That, in order to facilitate distribution of the ASIA/PAC OPMET information to the WAFC London and Washington for uplink to the satellite broadcasts, the ROBEX Scheme be revised as shown in Appendix J to this Report on Agenda Item 2.2.	The revised ROBEX Scheme is being implemented. The collection areas of some ROBEX Centres have been extended. Task to be carried out by OPMET/E TF.	2003

Report Reference	Action by ANC/Council	Decision/Conclusion/ Action Taken	Action by States/ICAO	Status
Concl./Dec. No.	ANC/Council	Action Taken		
C 11/26		Authorized access to the global WAFS graphical products via the Internet That, ISCS and SADIS provider States consider the possibility of providing global availability of WAFS products via the Internet, to the authorized ISCS and SADIS users.	The subject matter was discussed by the SADISOPSG/6 and 7. The United Kingdom implemented the SADIS internet-based service as a back-up to the SADIS broadcast to be provided only to States and users authorized to receive SADIS and ISCS broadcasts. SADIS FTP back-up service has been operational since May 2002.	On-going
	ANC	Noted the conclusion and that the Secretary General was developing a policy for the operational use of the Internet by States to access WAFS products as well as OPMET data, and for the dissemination of AIS Information.	A policy for the operational use of the Internet by States is being developed by ICAO. It is included in the agenda of the MET Divisional meeting to be held in September 2002.	
C 11/32		WAFS Tables MET 5 and 6 of the ASIA/PAC ANP (FASID) That, Tables MET 5 and 6 of the ASIA/PAC ANP (FASID) be amended as shown in Appendices H and I to the report.	The ASIA/PAC Basic ANP and FASID have been approved by the Council. Amendment proposal for FASID circulated to States.	On-going
C 11/33		SIGMET Special Implementation Project That, ICAO urgently consider a proposal for the ASIA/PAC Special Implementation Project be established with the primary objective to improve implementation of SIGMET procedures.	The SIP Project Proposal will be put forward for Council approval in 2001. The SIP Proposal is being revised in order to reduce the cost and will be put forward for Council approval in 2002.	2003
	С	Noted the conclusion and that such project would be put forward for Council approval through established procedures.		