

International Civil Aviation Organization



ICAO

**Twenty Sixth Meeting of the Communications/
Navigation and Surveillance Sub-group (CNS SG/26) of
APANPIRG**

Video Teleconference, 5 – 9 September 2022

Agenda Item 15 Any Other Business

TRACKING CNS-RELATED APANPIRG CONCLUSIONS/DECISIONS

(Presented by the Secretariat)

SUMMARY

This paper presents the CNS-related APANPIRG Conclusions/Decisions summarized in the excel table with marked of current status for review and action by the meeting.

1. INTRODUCTION

1.1 Since the establishment of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) in 1991, thousands of APANPIRG Conclusions/Decisions have been adopted by APAC States/Administrations during the past 32 APANPIRG meetings which not only facilitated the development and implementation of air navigation systems, but also recorded the efforts on coordination and harmonization at intra-regional and inter-regional level. In view of the importance of the APANPIRG Conclusions/Decisions, the Secretariat tried to extract the CNS-related APANPIRG Conclusions/Decisions from the reports on various media and consolidate in one Microsoft Excel table with marked status for easy reference and tracking.

2 DISCUSSION

2.1 The Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) has been established by the ICAO Council in 1991 [C-MIN.133/18, 26 June 1991]. PIRGs have the obligation to apply the most effective and efficient organizational structure and meeting modalities that best suit the characteristics of each region's implementation work programme while maintaining to the extent possible, alignment with these Terms of Reference, the regional work programme and the Global Air Navigation Plan (GANP).

2.2 With reference to the APANPIRG Handbook, APANPIRG Conclusions deal with matters that, according to the APANPIRG's Terms of Reference, merit directly the attention of States, or on which further action is required to be initiated by the Secretary according to established procedures. Conclusions are mainly aimed at the furtherance of studies and programmes being undertaken by the APANPIRG, its contributory bodies and other ICAO groups or meetings.

Agenda Item 15

05 – 09/09/22

APANPIRG Decisions relate solely to matters dealing with the internal working arrangements of the APANPIRG and its contributory bodies.

2.3 Action proposed by a sub-group that requires the prior agreement of the APANPIRG before it can be implemented or otherwise, shall be recorded in its report as draft Conclusions or draft Decisions (of APANPIRG). All such proposed actions shall be considered by the APANPIRG at its next meeting after the issue of the sub-group's report. Before APANPIRG/26, the Sub-groups of APANPIRG record their actions in the form of Draft Conclusions and Draft Decisions for APANPIRG endorsement, and Decisions which relate solely to matters dealing with internal working arrangement of the Sub-group only.

2.4 To enhance the efficiency of APANPIRG approval process, the APANPIRG/26 held at ICAO APAC Office, Bangkok, Thailand *from 7 to 10 September 2015* adopted the **Decision APANPIRG/26/65 — Revised APANPIRG Structure, Terms of Reference and APANPIRG Sub Group Empowerment** that the Sub Groups are empowered to adopt Conclusions and Decisions on technical matters (especially those concerning guidance to States in the implementation of ICAO SARPs, GANP, RANP, Seamless ATM Plan) that do not have additional economic, environmental or political effects, which should be considered at a higher level at APANPIRG.

2.5 Considering the benefit for effectiveness of APANPIRG work, the APANPIRG/29 held at ICAO APAC Office, Bangkok, Thailand *from 3 to 5 September 2018* further adopted the **Conclusion APANPIRG/29/28 - Empowerment to adopt Conclusions and Decisions on purely technical/operational matters by APANPIRG's Sub Groups** that APANPIRG Subgroups or Taskforce/Working Groups are empowered to make Conclusions/Decisions related to regional guidance material for publication in ICAO APAC website.

2.6 To track the CNS-related Conclusions/Decisions of the APANPIRG meetings effectively, the Secretariat has reviewed the reports of the former meetings from APANPIRG/1 to APANPIRG/32, and extracted more than 600 Conclusions/Decisions in one Excel sheet provided in **Appendix A** to this paper. The Statuses of the Conclusions/Decisions have been marked as *in force/applicable, closed, not applicable, group dissolved, superseded, task completed, and undertaken by ICAO HQ/Panels*, for meeting review and necessary follow-up actions by States/Administrations.

3. ACTION BY THE MEETING

3.1 The meeting is invited to

- a) note the information contained in this paper;
- b) discuss any relevant matter as appropriate.

Meeting	Year	Conclusion/ Decision No --- Strategic Objective*	Category	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target Date	Status as of 9 June 2022	Action by ANC	In force or not (No indication about expiration or replacement will be regarded as in force)	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13
APANPIRG/1	1992	DECISION 1/1	Others	Establishment Of Communications/Navigation/Surveillance And Air Traffic Management Sub-Group (CNS/ATM SG)	the establishment of an expert Sub-Group to address the planning and implementation of the new Communications, Navigation and Surveillance (CNS) and Air Traffic Management (ATM) Systems. Noting that this sub-group would have both short term and mid term goals the meeting determined the terms of reference of the sub-group and a work programme.	ICAO APAC RO			Completed		Group Dissolved	
APANPIRG/1	1992	DECISION 1/3	Others	ESTABLISHMENT OF A COMMUNICATIONS/METEO ROLOGY SUB-GROUP (COM/MET SG)	In order to enhance planning and implementation in the COM and MET fields in the ASIA/PAC Regions and to avoid duplication of works carried out by the AFS/AMSRPG and MID/ASIA/PAC COM/MET RPG it was decided, after a long deliberation, to combine the terms of reference of these two groups in so far as it affects the ASIA/PAC Regions and form a COM/MET Sub-Group. Terms of reference and a work programme were therefore established.	ICAO APAC RO			Completed		Group Dissolved	
APANPIRG/1	1992	CONCLUSION 1/2	Others	DISSOLVE THE ASIA/PAC AFS/AMS RPG AND MID/ASIA/PAC COM/MET RPG	That, a) the ASIA/PAC AFS/AMSRPG and MID/ASIA/PAC COM/MET RPG be dissolved as the tasks of these groups have been absorbed by the COM/MET Sub-Group of APANPIRG as far as the ASIA/PAC Regions are concerned; and b) consideration be given by ICAO to the residual work of the existing COM/MET RPG in so far as it relates to the management of the ROBEX Scheme in the MID Region and to the inter regional implications thereof.	ICAO APAC RO			Completed		Group Dissolved	
APANPIRG/1	1992	DECISION 1/4	Navigation & Surveillance	Establishment Of A Navigation/Surveillance Sub-Group (NAV/SUR SG)	in order to assist it in its work, the Navigation and Surveillance Sub-Group be established to review and identify specific shortcomings or deficiencies that impede implementation and/or performance of the navigation and surveillance facilities, to review planning and implementation processes associated with transition to MLS and to make specific recommendations on improving the performance of existing facilities and implementing new navigation and surveillance services.	ICAO APAC RO			Completed		Group Dissolved	
APANPIRG/1	1992	CONCLUSION 1/3	Navigation	Dissolve The ASIA/PAC ILS/MLS Transition RPG	That, the ASIA/PAC ILS/MLS Transition RPG be dissolved as the tasks of that group have been absorbed by the NAV/SUR Sub-Group of APANPIRG.	ICAO APAC RO			Completed		Group Dissolved	
APANPIRG/1	1992	DECISION 1/5	Navigation	That The List Of Specific Air Navigation Problems/Tasks Set Out In Attachment C Be Kept Current By The Secretary To Form A Basis For The Group To Conduct Its Business	that the list of specific air navigation problems/tasks set out in attachment c be kept current by the secretary to form a basis for the group to conduct its business	ICAO APAC RO			Completed		Not Applicable, please refer to the latest version	
APANPIRG/2	1992	CONCLUSION 2/22	Navigation	REGIONAL RNAV STANDARDS	That a) prior to the future introduction of a global ICAO Required Navigation Performance (RNP) and related separation minima, it is recommended that: (i) the use of the Australian RNAV Standard be adopted for application throughout continental and oceanic airspace within the ASIA/PAC Region by approved operators; (ii) the letter "Y" be used in field 10 of the flight plan by those operators approved by their State of Registry as meeting this ICAO Regional RNP; and (iii) that MNPS approved operators also be accepted as RNAV approved for the application of reduced separation minima in the ASIA/PAC Regions. b) the above conclusion be implemented by the publication of a Regional RNAV Document by the ICAO ASIA/PAC Regional Office.	ICAO APAC RO APAC States and Administrations			Completed Draft RNAV Doc 7030 amendment proposals and guidance material developed for APANPIRG/5 consideration.		Not Applicable, please refer to the latest version	
APANPIRG/2	1992	CONCLUSION 2/23	AFS	IMPLEMENTATION OF ATS VOICE COMMUNICATIONS REQUIREMENTS	That ICAO develop an implementation schedule of the circuits listed below, in co-ordination with States concerned, and urge the States to upgrade/implement the long overdue requirements as a matter of urgency, for the following ATS voice communication circuits, using high grade common carrier services or VSAT satellite services, as appropriate. Bangkok - Calcutta** LTF DIR Bangkok - Kunming *LTF DIR Bangkok - Phnom Penh LTF DIR Bangkok - Yangon LTF DIR Calcutta - Yangon LTF SW via Bangkok Dhaka - Yangon SW via Calcutta and Bangkok Kunming - Yangon *LTF via Bangkok Madras - Yangon LTF via Kuala Lumpur and Bangkok or via Calcutta and Bangkok Yangon - Vientiane LTF via Bangkok * Require amendment to ANP ** Until Calcutta - Yangon circuit is made available	ICAO APAC RO APAC States and Administrations			Completed the 7 circuits identified in the Conclusion, five circuits were implemented. TOLL (IDD) service was provided for the Dhaka/Yangon and Madras/Yangon circuits. The direct circuits between these centres were expected to be implemented by the end of 1997.		Task Completed	

APANPIRG/2	1992	CONCLUSION 2/24	AFS	RESOLUTION OF TECHNICAL AND FINANCIAL ISSUES	That ICAO convene a meeting between China, India, Lao PDR, Malaysia, Myanmar and Thailand with IATA attendance, to discuss and resolve technical and financial considerations for implementation of switched voice circuits referred to in Conclusion 2/23.	ICAO APAC RO APAC States and Administrations		Completed ATS/COM Co-ordination Meeting which was held in Yangon during March 1993.		Task Completed	
APANPIRG/2	1992	CONCLUSION 2/25	AFS	Provision of RCAG VHF in KABUL FIR	That ICAO urge Afghanistan to consider providing RCAG VHF stations at Kandahar, Herat and Mazar Sharif using the spare capacity of the satellite link to replace existing deficient HF air-ground communication and to enhance provision of ATS in Kabul FIR.	ICAO APAC RO APAC States and Administrations		Completed Afghanistan restored basic AFS/AMS COM facilities. RCAG VHF have been implemented with the assistance of IATA.		Task Completed	
APANPIRG/2	1992	CONCLUSION 2/26	AFS	COMMUNICATIONS IMPROVEMENTS	That ICAO urge States to implement VHF services by the use of RCAG networks removed to a single ACC in accordance with the following proposals. MONGOLIA: It is suggested that an RCAG network plan for the Ulan Bator FIR be developed and implemented using satellite communications as the bearer. VIETNAM: The quality, reliability and range of the existing RCAG station at Danang be improved so as to cease the use of HF for air/ground communications on ATS routes A1, A901 and B460. MALAYSIA: Consideration be given to the implementation of an extended range RCAG station, possibly at a site in Phuket, Thailand which could provide VHF coverage of the northwestern part of the Kuala Lumpur FIR. MYANMAR: Immediate improvements are required to the VHF RCAG at Mandalay to increase its usable range. Two other RCAG stations should also be implemented, one at Patheingyi and the other at Sittwe so as to provide VHF communications on most ATS routes in the Yangon FIR. BANGLADESH: Following the implementation of a Dhaka - Yangon ATS direct speech circuit the need for Dhaka ACC to monitor the SEA-1 HF frequencies and to use them for ATS coordination will cease and the service can be withdrawn as the existing VHF coverage is adequate to provide air-ground communication within Dhaka FIR. INDIA: The reliability of all RCAG stations in India should be improved, while the authorities have confirmed their long term plans to replace all the terrestrial bearers by the use of satellite communications, in the interim and to the extent possible greater use should be made of microwave links between the RCAG sites and the ACCs. There is a need to provide extended range facilities at coastal areas such as at Vizag and Bhuvaneshwar by the use of directional aerials.	ICAO APAC RO APAC States and Administrations		Completed It was noted that recommended facilities were implemented by Malaysia, Myanmar, Indonesia and Vietnam. Bangladesh, India and Mongolia are expected to implement required facilities by the end of 1997.		Not Applicable	retain this item in the list of air navigation problems 3/21
APANPIRG/2	1992	CONCLUSION 2/27	AFS	SECTORIZATION OF SEA-1 MWARA NETWORK	That, the SEA-1 MWARA network stations be sectorized as follows: Area 1 (North Bay of Bengal): Calcutta, Yangon, Dhaka*, Kathmandu and Kunming*. Note* When effective direct speech communications are established between Dhaka and Yangon and between Yangon and Kunming the HF air-ground communication at these two stations should be withdrawn. Area 2 (South Bay of Bengal): Madras, Colombo, Male, Medan Kuala Lumpur, Perth and Singapore. b) ICAO allocate appropriate frequencies to each of the above areas from the existing allotment plan.	APAC States and Administrations		Completed sectorization of SEA-1 MWARA Network had been completed. SEA-1A and SEA-1B Networks have now completely different sets of frequencies. Consequently, the congestion problem has been alleviated. The congestion problem would further ease when the Dhaka/Yangon ATS speech circuit switched via Calcutta is implemented and performance of the Yangon/Madras circuit improves.		Task Completed	retain this item in the list of air navigation problems 3/21
APANPIRG/2	1992	CONCLUSION 2/28	AFS	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.	APAC States and Administrations	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	Closed - Superseded by C10/4		Superseded	Superseded by C10/4
APANPIRG/2	1992	CONCLUSION 2/29	AFS	PROVISION FOR RELIABLE AFS COMMUNICATIONS	That Mongolia be urged to implement direct speech circuits between Ulan Bator and Beijing ACCs and between Ulan Bator and Irkutsk ACCs; and the circuits between Ulan Bator and Beijing should be via satellite communications and it should be operated in the multiplex "speech plus" mode so as to provide both ATS voice communications and AFTN circuits.	APAC States and Administrations		Completed		Task Completed	
APANPIRG/2	1992	CONCLUSION 2/36	Others	IMPLEMENTATION PLAN OF CNS/ATM SYSTEM FOR THE ASIA/PACIFIC REGION	That the Implementation Plan developed by the CNS/ATM SG/1 Meeting and attached as appendix thereto be adopted as the broad high level plan for the ASIA/PACIFIC Region and would be submitted to ASIA/PAC/3 RAN.	ICAO APAC RO		Completed		Not Applicable, please refer to the latest version	
APANPIRG/2	1992	CONCLUSION 2/37	AFS	AFTN MANAGEMENT STUDY	That the ICAO Secretariat prepare a Working Paper to be presented to the ASIA/PAC/3 RAN Meeting based on the input provided by the AFTN Management Task Force and circulate the paper also to APANPIRG Members.	ICAO APAC RO		Completed		Task Completed	
APANPIRG/2	1992	CONCLUSION 2/38	Others	PUBLICATION OF ASIA/PAC AIR NAVIGATION PLAN	That ICAO publish the ASIA and PAC Air Navigation Plan as a single document to overcome the problems caused due to inconsistency in presentations in the MID/ASIA and NAT/NAM/PAC ANPs, in so far as the ASIA/PACIFIC Regions are concerned.	ICAO APAC RO		Completed		Task Completed	

APANPIRG/2	1992	CONCLUSION 2/39	Others	PRESENTATION OF CNS/ATM TRANSITION PLAN TO ASIA/PAC/3 RAN MEETING	That ICAO consider allocating time and arranging for a special session of the General Committee at the commencement of the ASIA/PAC/3 RAN Meeting for a presentation and discussion of the new ICAO CNS/ATM Concept and the provisional adoption of the broad, high level implementation plan for the transition to the new CNS/ATM Systems for the use and guidance of the Technical Committees of the Meeting.	ICAO APAC RO		Completed		Task Completed	
APANPIRG/3	1993	DECISION 3/2	AFS	AFTN MANAGEMENT TASK FORCE	That, a)an AFTN Management Task Force consisting of members nominated by Australia, China, Fiji, India, Japan, New Zealand, Singapore, Thailand, United Kingdom (Hong Kong) and the United States be established with the Terms of Reference contained in Appendix B, and b)the Task Force submit the result of its studies to the COM/MET Sub-Group in time for the Sub-Group to report to APANPIRG/4 meeting.	ICAO APAC RO		Completed		Group Dissolved	
APANPIRG/3	1993	CONCLUSION 3/6	Surveillance	CO-ORDINATION OF RADAR FACILITIES	That, the importance of co-ordination to be carried out for the provision of radar facilities should be highlighted to the next meeting of the Directors General of Civil Aviation to be held later this year.	ICAO APAC RO		Completed		Task Completed	
APANPIRG/3	1993	CONCLUSION 3/7	AFS	DATALINK TRIALS AND DEMONSTRATIONS	That, a)The South Pacific, Bay of Bengal and South China Sea be designated as test areas for the purpose of planning and implementation during 1994/1995, of trials and demonstrations of direct pilot-controller two way data link (TWDL) to facilitate the early introduction of reduced separation minima, in particular distance based separation in procedural airspace; and b)ICAO should co-ordinate and encourage States whose areas of responsibility are within the South Pacific, Bay of Bengal and South China Sea to participate in the TWDL trials and demonstrations.	ICAO APAC RO APAC States and Administrations		Completed	ANC	Task Completed	
APANPIRG/3	1993	DECISION 3/8	Others	AMENDMENTS TO THE DRAFT ASIA/PAC REGIONAL CNS/ATM IMPLEMENTATION PLAN	That, Amendments to the draft ASIA/PAC Regional CNS/ATM Implementation Plan, dated February 1993 be made as developed by CNS/ATM SG/3.	ICAO APAC RO		Completed		Not Applicable, please refer to the latest version	
APANPIRG/3	1993	CONCLUSION 3/9	Others	CNS/ATM COST BENEFIT GUIDE	That, a)The latest edition of the CNS/ATM Cost benefit Guide be included as an information paper for the CNS/ATM SG/4 meeting to assist the States in the planning and cost/benefit studies of the new CNS/ATM system; and b)The information paper containing the Guide be sent to Sub Group members for study well before the CNS/ATM SG/4 meeting.	ICAO APAC RO		Completed		Task Completed	
APANPIRG/3	1993	DECISION 3/10	Others	PROVISION OF INFORMATION CONCERNING R&D TRIALS AND DEMONSTRATIONS AND CNS/ATM IMPLEMENTATION PLAN STATUS BY STATES	That, a)States attending CNS/ATM SG/4 be invited to provide a paper at the meeting updating descriptions of their Research and Development, Trials and Demonstrations in CNS/ATM within their areas of responsibility. b)States be requested to provide to CNS/ATM SG/4 details of their national CNS/ATM Implementation Plans.	APAC States and Administrations		Completed		Task Completed	
APANPIRG/3	1993	DECISION 3/11	Others	ATTENDANCE AT CNS/ATM SG/4	That, All States within the Asia/Pacific Regions be invited to attend the next and final meeting of the CNS/ATM Sub-Group (CNS/ATM SG/4).	APAC States and Administrations		Completed		Task Completed	
APANPIRG/3	1993	CONCLUSION 3/12	Navigation	SERVICEABILITY OF RADIO NAVIGATION AIDS	That, in order to assure reliability, availability and integrity of radio navigation aids, States concerned take adequately effective actions to ensure that: a)unserviceability of radio navigation aids are notified without delay by NOTAM; b)availability of nav aids facilities is maximized by minimizing any test period and by keeping the flight test intervals status current, through a regular flight test programme; and c)regular ground checks of a high technical standard are carried out.	APAC States and Administrations		Completed		In force	
APANPIRG/3	1993	CONCLUSION 3/13	Surveillance	PROTOCOLS ON RADAR AND FLIGHT DATA EXCHANGE	That, ICAO develop protocols and a standard format to facilitate the exchange of radar data and flight data between adjacent FIRs.	ICAO APAC RO		Completed	ANC	Task Completed	
APANPIRG/3	1993	CONCLUSION 3/14	Navigation	CONVENING OF INFORMAL MEETING ON TESTING OF RADIO NAVIGATION AIDS	That, ICAO consider convening an Informal Meeting on Testing of Radio Navigation Aids in a State in the ASIA/PAC Regions having a Flight Inspection Unit.	ICAO APAC RO		Completed	ANC	Task Completed	
APANPIRG/3	1993	CONCLUSION 3/15	Surveillance	EXCHANGE OF RADAR AND FLIGHT DATA	That, States be requested to provide information to the ICAO Regional Office on current and proposed protocols for the exchange of radar and flight data and that States identify the potential for automated data exchange.	APAC States and Administrations		Completed		Task Completed	
APANPIRG/3	1993	CONCLUSION 3/16	AFS	IMPLEMENTATION OF PAC/SAM AFTN CIRCUIT AND ENTRY/EXIT POINT	That, ICAO urge Australia and Chile to implement the Sydney/Santiago main trunk AFTN circuit and establish routing of all traffic between ASIA/PAC and SAM regions via Sydney/Santiago, in both directions.	APAC States and Administrations		Completed		Task Completed	
APANPIRG/3	1993	CONCLUSION 3/17	Frequency	ELIMINATION OF VHF INTERFERENCE PROBLEM	That, ICAO further coordinate with Bangladesh, Myanmar and IATA with a view to eliminating co-channel VHF frequency interference problem experienced by pilots on ACC frequency 125.70 MHz.	ICAO APAC RO APAC States and Administrations		Completed		Task Completed	

APANPIRG/3	1993	DECISION 3/21	Frequency	COMMUNICATION PROBLEMS	That, the COM/MET Sub-Group retain the HF and VHF AMS communication problems referred in Conclusions 2/26 and 2/27 of APANPIRG/2 in the list of specific air navigation planning and implementation problems and take appropriate action for their resolution.	ICAO APAC RO APAC States and Administrations		Completed The meeting noted the action taken by ICAO for resolution of the problem and recognized that after implementation of the critical ATS direct speech circuits identified above and introduction of 5670 kHz in SEA-1B network, the congestion problem would be resolved. The meeting also noted that ICAO had already circulated a proposal for amendment to MID/ASIA ANP to add the new frequency 5670 kHz in the SEA 1B network.		Task Completed	
APANPIRG/3	1993	DECISION 3/23	Others	SPECIFIC AIR NAVIGATION PLANNING AND IMPLEMENTATION PROBLEMS	That, the specific air navigation planning and implementation problems identified in Appendix D be monitored and action initiated as proposed	ICAO APAC RO APAC States and Administrations		Completed		Not Applicable, please refer to the latest version	
APANPIRG/3	1993	CONCLUSION 3/24	Navigation	IMPLEMENTATION OF RVSM AND RNP IN THE PACIFIC REGION	IMPLEMENTATION OF RVSM AND RNP IN THE PACIFIC REGION	APAC States and Administrations	a) RVSM was implemented in the Pacific Region on 24 February 2000 b) 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)	Closed – overtaken by events.		Superseded	
APANPIRG/3	1993	DECISION 3/25	Others	REVISION OF THE TERMS OF REFERENCE AND WORK PROGRAMME OF THE SUB-GROUPS	That, the revised Terms of Reference and Work Programme of the (CNS/ATM) Sub-Groups contained in Appendix C be approved.	ICAO APAC RO		Completed		Group Dissolved	
APANPIRG/4	1994	Conclusion 4/1	Others	Publication of ASIA/PAC Air Navigation Plan	That, ICAO publish the ASIA and PAC ANPs as a single document in order to overcome the problems caused due to inconsistency in presentations in the MID/ASIA and NAT/NAM/PAC ANPPs.	ICAO APAC RO		Completed	C	Task Completed	2/38
APANPIRG/4	1994	Conclusion 4/4	Navigation	RNAV criteria in the ASIA/PAC Regions, amendment to Doc 7030	That, the ICAO Regional Office, as a matter of priority, develop a draft amendment to the Supplementary Procedures, (Doc 7030), ASIA and PAC to permit a reduction in separation minima as stipulated in PANS/RAC, Paragraph 9 of Part III. Furthermore, a regional publication should be also developed by the Regional Office to provide guidelines for the implementation of the proposed RNAV Regional Supplementary Procedures.			Completed Superseded by 7/1	ANC	Superseded	
APANPIRG/4	1994	Decision 4/19	Others	WGS-84	That, the work programme for the ATS/AIS Sub-Group be amended to include the transition to WGS-84 in the Asia/Pacific Regions.	ICAO APAC RO		Completed		Group Dissolved	
APANPIRG/4	1994	Decision 4/20	Navigation	Use of navigation aids in adjacent States	That, the ATS/AIS Sub-Group reconsider the problem and provide to the next meeting of APANPIRG a detailed explanation of the problem together with possible solutions.	ICAO APAC RO		Completed		Task Completed	
APANPIRG/4	1994	Conclusion 4/22	AFS	Upgrading of circuit capacity	That, concerned States responsible for operation of AFTN circuits take necessary action to upgrade capacity of the following circuits by the end of 1994. 1. Bangkok/Dhaka 2. Bangkok/Hochiminh 3. Bangkok/Kuala Lumpur 4. Bangkok/Rome 5. Bangkok/Vientiane 6. Bangkok/Yangon 7. Christchurch/Nandi 8. Christchurch/Tahiti 9. Nadi/Noumea 10. Nadi/USA 11. Singapore/London 12. Sydney/Port Moresby 13. Tokyo/Moscow	APAC States and Administrations		Completed of the thirteen circuits, the Nadi/Noumea circuit did not warrant upgrading and the Bangkok/Ho-Chi-Minh circuit had already been upgraded as recommended.		Task Completed	
APANPIRG/4	1994	Conclusion 4/23	AFS	AFTN Statistics	That, the "Instruction for Use of the Form" referred to in Appendix B to the Report on Agenda Item 10, page 10B-2 of the Report of the Third Asia/Pacific Regional Air Navigation Meeting, DOC 9614/ASIA/PAC/3 be replaced with Appendix D and States be urged to provide AFTN statistics in accordance with the instructions contained therein.	ICAO APAC RO		Completed		Task Completed	

APANPIR G/4	1994	Conclusion 4/24	AFS	ASIA-EUR entry/exit points	That, the entry/exit points between ASIA and EUR Regions be via Bangkok and Singapore. Note: The entry/exit points should be implemented consequent to the implementation of the routing changes reflected in Conclusion 10/9 of ASIA/PAC/3 RAN Meeting.	ICAO APAC RO APAC States and Administrations			Completed Follow up action was carried out by the Secretariat. The entry /exit point will be implemented after securing agreement of amendments to the routing proposed by AFS Management Task Force, and upgrading of the Bangkok/Singapore AFTN circuit to be completed by the end of 1998.		Task Completed	
APANPIR G/4	1994	Conclusion 4/25	AFS	Amendment to AFTN plans	That, the MID/ASIA and NAT/NAM/PAC ANPs be amended to replace the requirement for the Port Vila/Nadi circuit with Port Vila/Sydney circuit.	ICAO APAC RO APAC States and Administrations			Completed The consolidated amendment proposal is expected to be circulated by the end of 1994		Not Applicable, please refer to the latest version	
APANPIR G/4	1994	Conclusion 4/26	AFS	Target date of implementation of the rationalized AFTN plan	That, a target date of 1995 be established for completion of implementation of the rationalized AFTN plan and States concerned be advised accordingly.	ICAO APAC RO			Completed	C	Task Completed	
APANPIR G/4	1994	Conclusion 4/27	AFS	Pre-ATN improvements	That, the ASIA/PAC Regional Supplementary Procedure (SUPPs) and the Technical Aspects of AFTN Rationalization contained in MID/ASIA and NAT/NAM/PAC ANPs be amended to permit the use of X.25 procedures, in addition to the existing procedures, in the ASIA/PAC Regions.	ICAO APAC RO			Completed		Not Applicable, please refer to the latest version	
APANPIR G/4	1994	Conclusion 4/28	AFS	Implementation of the Dhaka/Yangon switched ATS speech circuit	That, Bangladesh and India take urgent action to coordinate and resolve technical and operational issues to ensure implementation of the Dhaka/Yangon switched ATS speech circuit via Calcutta by the end of 1994.	APAC States and Administrations	Direct circuit implemented using VSAT		Completed		Task Completed	
APANPIR G/4	1994	Conclusion 4/29	AFS	Implementation of ATS speech communication requirements	That, States concerned be urged to implement the requirements for the speech communications using high grade common carrier services or VSAT satellite services, as appropriate, between the following centres within the established target dates. Terminal Stations Type of Service Target Date of Implementation 1. Bombay - Male LTF DIR June 1994 2. Colombo - Trivandrum LTF SW via Madras June 1994 3. Madras - Male LTF SW via Bombay June 1994 4. Male - Trivandrum LTF SW via Bombay June 1994 5. Kabul-Karachi LTF DIR * 6. Kabul-Lahore LTF SW via Karachi * *Circuit to be implemented as soon as practicable depending on improvements in current situation in Afghanistan.	APAC States and Administrations	VSAT links have been established in Kabul with the assistance of IATA. The Karachi/Kabul AFTN circuit and the Kabul/Karachi and Kabul/Lahore ATS DSCs are in operation.	Completed		Task Completed		
APANPIR G/4	1994	Conclusion 4/39	Others	Co-operation between States	That, to facilitate the implementation of CNS/ATM, ICAO encourage States and International Organizations in a position to do so to: a)develop programs to extend trials and demonstrations to other States throughout the ASIA/PAC Regions; and b)develop the necessary programs to permit the transfer of CNS/ATM systems expertise, equipment, trials data, information on latest developments, etc. to other States in the ASIA/PAC Regions and report back to the ICAO Regional Office.	APAC States and Administrations			Completed	C	Applicable	
APANPIR G/4	1994	Decision 4/40	Others	Dissolution of the CNS/ATM Sub-Group	That, the APANPIRG CNS/ATM Sub-Group having completed its assigned tasks is hereby dissolved.	ICAO APAC RO			Completed		Group Dissolved	
APANPIR G/4	1994	Decision 4/41	Others	Establishment of a CNS/ATM Implementation Co-ordination Sub-Group	That, a CNS/ATM Implementation Co-ordination Sub-Group be established with the Terms of Reference given in Appendix J.	ICAO APAC RO			Completed		Group Dissolved	
APANPIR G/4	1994	Decision 4/42	Others	Composition of the CNS/ATM/IC Sub-Group	That, the CNS/ATM/IC Sub-Group be composed of specialists nominated by APANPIRG/4 member States as well as the Chairmen of all current APANPIRG Sub-Groups. In addition, States in the Asia/Pacific Regions should be provided with working papers and issued an invitation to each Sub-Group meeting.	ICAO APAC RO APAC States and Administrations			Completed		Task Completed	
APANPIR G/4	1994	Conclusion 4/43	Others	Establishment of State CNS/ATM Committees	That, States within the Asia/Pacific Regions establish national CNS/ATM Committees comprising representation from all concerned agencies and organisations from within their State to plan and implement the new CNS/ATM Systems.	APAC States and Administrations			Completed		In force	
APANPIR G/4	1994	Conclusion 4/44	Others	Circulation of Issue 3 of the Asia/Pacific CNS/ATM Implementation Plan	That, a)The Asia/Pacific CNS/ATM Implementation Plan as contained in Appendix H be adopted as the Plan for the Regions; and b)ICAO circulate Issue 3 of the Asia/Pacific CNS/ATM Implementation Plan as contained in Appendix H to concerned States, International Organisations and the 30th Conference of the Directors General of Civil Aviation for appropriate action.	ICAO APAC RO APAC States and Administrations			Completed the plan should be circulated as a stand-alone document and should include the Statement of ICAO Policy on CNS/ATM Systems Implementation and Operation contained in Appendix K of the APANPIRG/4 Report. Action on this has been taken separately under Agenda Item 3.		Not Applicable, please refer to the latest version	
APANPIR G/4	1994	Decision 4/45	Others	Specific Air Navigation Planning	That, the specific air navigation problems identified in Appendix I be monitored and action taken as proposed.	ICAO APAC RO			Completed		Not Applicable, please refer to the latest version	
APANPIR G/4	1994	Decision 4/46	AFS	Tasks of Sub-Groups and AFTN Management Task Force	That, a)the problem/tasks list contained at Appendix I replaces the work programme of the respective (ATS/AIS, COM/MET, NAV/SUR) Sub-Groups; and b) the tasks of the AFTN Management Task Force shall be as shown in Appendix J.	ICAO APAC RO			Completed		Group Dissolved	

APANPIRG/4	1994	Decision 4/47	Others	Terms of Reference of CNS/ATM/IC SG	That, the Terms of Reference and Work Programme of the CNS/ATM/IC Sub-Group are as shown at Appendix J.	ICAO APAC RO		Completed		Group Dissolved	
APANPIRG/5	1994	Decision 5/1	Automation	Development of an ATS inter-facility Data Communications Interface Control Document	That, a)an ATS Inter-facility Data Communications (AIDC) Interface Control Document (ICD) be developed for the exchange of data in the Asia/Pacific Regions; b)a Task Force be established for the Regional AIDC ICD development and be composed of members with the necessary expertise as well as those who will be concerned with its implementation and operation; c)the Task Force use the draft developed by the ICAO Asia/Pacific Regional Office and edited by the various Sub-Groups as the basis of the document development; d)the Task Force meet before the end of January 1995 to further develop the initial draft AIDC ICD for endorsement by States in the Asia/Pacific Region, to be available for use in early 1995; and e)the Task Force Terms of Reference will be as outlined in Appendix B to Agenda Item 2.1, and f)the Task Force under ICAO auspices, should be composed of technical experts from Australia, France, Japan, Malaysia, New Zealand, Pakistan, Singapore, Thailand, United Kingdom (Hong Kong), and United States. Additional representation would be provided by IATA. Note:Australia advised that they were willing to host the Task Force meeting in Canberra during the week commencing 9 January 1995. This offer was gratefully accepted by the meeting which then agreed that Australia should provide a rapporteur for the meeting.	ICAO APAC RO		Completed		Task Completed	
APANPIRG/5	1994	Conclusion 5/2	Navigation	Regional guidance material for RNAV operations in an RNP environment	That the ICAO Regional Office circulate the Asia/Pacific Guidance Material for RNAV Operations in an RNP Environment, as presented in Appendix C to Agenda Item 2.1 to States.	ICAO APAC RO		Completed Document reviewed and updated by APANPIRG/6. Further action as per established procedures will be taken by the Secretariat.	ANC	In force	
APANPIRG/5	1994	Conclusion 5/3	Navigation	Use of RNP 10	That based on the rationale for the selection of an RNP type as presented in Appendix D to Agenda Item 2.1, the use of RNP 10 is suggested for RNAV operations in the Asia/Pacific Region as an initial step towards CNS/ATM implementation with the understanding that the actual use of RNP 10 is subject to an approved amendment to Doc 7030.	ICAO APAC RO APAC States and Administrations		Completed the necessary amendment proposals to the Regional Supplementary Procedures (Doc 7030) for the use of RNP 10 in the Asia/Pacific Regions have been prepared and circulated to States and appropriate international organizations for consultations.	ANC	Not Applicable, please refer to the latest version	
APANPIRG/5	1994	Conclusion 5/10	Others	Transition to WGS-84 in the Asia/Pacific Region	That, States should ensure that a)concerned experts of the States are familiar with the new terminology and technology of the WGS-84 environment; b)they verify the accuracy of current co-ordinates and resurvey directly to WGS-84 standards if appropriate; c)they acquire necessary software and hardware to carry out transformation to WGS-84 for accurate co-ordinates when resurvey is not required; and d)WGS-84 standardization quality assurance measures are in place.	ICAO APAC RO APAC States and Administrations		Completed Superseded by 9/2 ATS/AIS/SG/5 Draft Conclusion 5/12&5/13 considered by APANPIRG/6. The Sub group has also drafted a course outline to be used at a WGS 84 Seminar to be held in Bangkok 22-24 Nov 1995. States' WGS84 transition plans monitored by ATS/AIS/SAR SG		Superseded	
APANPIRG/5	1994	Conclusion 5/14	AFS	Standardization of the Interface Control Document (ICD) for Character Oriented Protocol, System Category-B (COP-B)	That, a)the ICD for COP-B provided in Appendix A to the Report on Agenda Item 2.2 be adopted for use in the ASIA/PAC Regions and States concerned be advised to adhere as closely as possible to the ICD. b)States notify ICAO of any variation in the use of ICD; and c)ICAO Regional Office publish variation to the ICD received from States as an Appendix to the ICD.	ICAO APAC RO APAC States and Administrations		Completed		Applicable	
APANPIRG/5	1994	Conclusion 5/15	AFS	Upgrading of the Tokyo/Khabarovsk AFTN circuit	That, the States concerned take action to upgrade capacity of the Tokyo/Khabarovsk AFTN circuit to mutually agreed signalling rate by early 1995.	APAC States and Administrations		Completed		Task Completed	
APANPIRG/5	1994	Conclusion 5/16	AFS	Amendment to ASIA/PAC ANPs	That, the Table COM 1 of the ASIA/PAC ANPs be amended by replacing the existing Tables with the new Table COM 1 - "AFTN/Data Circuit Regional Plan" for the ASIA/PAC Regions provided in Appendix C.			Completed		Not Applicable, please refer to the latest version	
APANPIRG/5	1994	Conclusion 5/17	AFS	AFTN/ATN Symbols	That, the symbols shown in Appendix D to the Report on Agenda Item 2.2 be used in the ASIA/PAC Regions and considered for adoption in ICAO documentation, where appropriate, to aid in the transition to the ATN.			Completed		Applicable	
APANPIRG/5	1994	Conclusion 5/18	AFS & Frequency	Improvement in quality of MID-2 HF AMS Communication	That, States concerned take urgent actions to overcome congestion problem experienced on MID-2 HF AMS frequencies by: i)carrying out required ground-to-ground coordinations on the recommended ATS direct speech circuits; and ii)making use of RDARA frequencies to meet domestic requirements.	APAC States and Administrations		Completed India is carrying out tests to use a suitable RDARA frequency. Problem is not experienced in Pakistan as larger part of the FIR is covered by VHR		Task Completed	

APANPIRG/5	1994	Conclusion 5/28	Navigation	Planning criteria for NDBs - Minimum value of field strength	That, because there are very few NDBs specified in the ANPs between latitudes 30S and 50°S, the current minimum value of field strength at the limit of rated coverage area of the NDBs located in the Region be retained at the present value of 120 microvolts per metre.				Completed		Applicable	
APANPIRG/5	1994	Conclusion 5/29	Navigation	Regional Strategy for provision of precision approach and landing guidance systems	That, the Regional strategy for provision of precision approach and landing guidance system as presented in Appendix A to the agenda item 2.3 be adopted and circulated to States for the consideration in the preparation for the Special COM/OPS Divisional Meeting 1995.				Completed		Not Applicable, please refer to the latest version	
APANPIRG/5	1994	Conclusion 5/30	Navigation	Need for Data on ILS Installations	That, a) States concerned be urged to provide statistical data on ILS facility to the ICAO Regional Office in the Form shown in Appendix B to the agenda item as early as possible, but not later than 30 November 1994. b) ICAO Regional Office compile the data and provide specific information for presentation at the Special COM/OPS Divisional Meeting 1995.	APAC States and Administrations			Completed		Task Completed	
APANPIRG/5	1994	Decision 5/31	Navigation & Surveillance	Proposed format for Table COM 3	That, the proposed format of Table COM 3 provided in Appendix C to the agenda item be further developed by the NAV/SUR Sub-Group and presented for review during APANPIRG/6 meeting.				Completed		Task Completed	
APANPIRG/5	1994	Decision 5/32	Navigation	Establishment of a GNSS monitoring Task Force	That, the NAV/SUR Sub-Group urgently establish a GNSS monitoring Task Force to develop a coordinated strategy for GNSS integrity monitoring and differential correction ground stations and data dissemination for the Asia/Pacific Region and report to APANPIRG/6.				Completed		Group Dissolved	
APANPIRG/5	1994	Decision 5/33	Others	Specific Air Navigation Planning and Implementation Problems	That, the specific air navigation planning and implementation problems identified in Appendix A to the Report on Agenda Item 2.5 be monitored and action taken as proposed.				Completed		Not Applicable, please refer to the latest version	
APANPIRG/5	1994	Conclusion 5/38	Others	Amendment to the Asia/Pacific Regional Implementation Plan for the New CNS/ATM Systems	Amendment to the Asia/Pacific Regional Implementation Plan for the New CNS/ATM Systems				Completed		Not Applicable, please refer to the latest version	
APANPIRG/5	1994	Conclusion 5/39	Others	Formulation, amendment and distribution process for the Asia/Pacific Regional Implementation Plan for the New CNS/ATM Systems	That, the ICAO Regional Office publish future editions of the Asia/Pacific Regional Implementation Plan for the New CNS/ATM Systems in the following manner: a) as loose leaf pages (and subsequent changes) with an amendment/corrigendum page; b) with amendments to Part A (Chapters 0-14) being processed through APANPIRG; c) with amendments to Part B (commencing at Chapter 15) being processed by the ICAO Regional Office circulating them to States for comment, then distributing the updated pages (using sidelining); and d) by including a checklist of current pages as well as individual page dating with each amendment.				Completed ICAO Regional office has published loose leaf editions of the Regional Implementation Plan. An amendment/corrigendum page has been included in Verion 4 and a sheet showing individual page numbering and dating will be provided in subsequent versions. NB. The Regional Implementation Plan will continue to require updating as required.		Not Applicable, please refer to the latest version	
APANPIRG/5	1994	Conclusion 5/40	Others	Further Development of the Asia/Pacific Regional Implementation Plan for the New CNS/ATM Systems	That, the further development and processing of the Asia/Pacific Regional Implementation Plan for the New CNS/ATM Systems be as agreed in paragraphs 3.1.3.1 and 3.1.3.2.				Completed		Not Applicable, please refer to the latest version	
APANPIRG/5	1994	Conclusion 5/41	Others	CNS/ATM systems workshops	That, the ICAO Regional Office, with the assistance of IATA and appropriate States, develop a syllabus for action orientated CNS/ATM implementation workshops and conduct such workshops. This will encourage States to take co-ordinated action to foster the early implementation of the new CNS/ATM systems and thereby gain early operational and economic benefits for airlines and ATS providers.				Completed Superseded by 6/42 APANPIRG/6 took action to form a Design Group to develop syllabus, course material and workshop schedule		Superseded	
APANPIRG/5	1994	Conclusion 5/42	Others	CNS/ATM Starter Kit	That, a) the ICAO Regional Office will forward to all States in the Asia/Pacific Region a copy of the Basic CNS/ATM Systems Starter Kit and invite comments on the kit; and b) the comments received from the States will be forwarded by the ICAO Regional Office to the project team at ICAO Headquarters for their consideration.				Completed		Task Completed	
APANPIRG/5	1994	Conclusion 5/43	Others	Summary of ICAO CNS/ATM related activities	That, ICAO provide at least an annual summary of ICAO CNS/ATM related activities of its panels and study groups for the information of CNS/ATM related regional bodies worldwide.				Completed		Applicable	
APANPIRG/5	1994	Conclusion 5/45	Navigation	GNSS Regional Information Circular	That, the ICAO Asia/Pacific Regional Office further develop, with the assistance of CNS/ATM/IC/SG members, a draft Regional Information Circular for early application of GNSS technology on the basis of the outline included in Appendix D to Agenda Item 3 and present it to the second meeting of the CNS/ATM/IC/SG.				Completed		Task Completed	
APANPIRG/5	1994	Conclusion 5/46	Others	Sharing of CNS/ATM expertise, equipment, data, etc. between States	That, a) States provide the ICAO Asia/Pacific Regional Office with an outline or list, by the end of 1994, of CNS/ATM expertise, equipment, data, etc. that may be available for other States to benefit from; and b) The ICAO Asia/Pacific Regional Office consolidate the CNS/ATM information provided and distribute it to States.				Completed States have been requested to provide information relating to CNS/ATM activities in their Administrations, knowledge of which, would be of benefit to other States. This information is being collated by the Regional Office and will be distributed when sufficient data has been collected and correlated.		Task Completed	
APANPIRG/5	1994	Decision 5/47	Others	Amendment process to Regional Air Navigation Plans	That, amendments to the Regional Air Navigation Plans which are proposed by the APANPIRG Sub-Groups should be sent to APANPIRG in the normal manner and also sent to the CNS/ATM/IC/SG as information for review in accordance with the Sub-Group's Terms of Reference and provide advice to APANPIRG accordingly.				Completed		Not applicable	

APANPIRG/5	1994	Decision 5/49	AFS	Problem/Task list for Sub-Group and AFTN Management Task Force	That, a)the updated problem/task list in the ATS/AIS, COM/MET, and NAV/SUR fields shown in Appendix A to Agenda Item 2.5 shall form the work programme of respective Sub-Groups. b)the revised Title and the Terms of Reference of the AFTN Management Task Force shall be as shown in Appendix A to the Report on Agenda Item 5.				Completed		Group Dissolved	
APANPIRG/6	1995	Conclusion 6/3	Navigation	Asia/Pacific RNP Operations Guidance Material	That, the document titled "Asia/Pacific RNP Operations Guidance Material" be finalized and processed in accordance with established procedures.				Completed Superseded by 7/1 "Asia/Pacific RNP Operations Guidance Material", and required the Secretariat to undertake co-ordination with ISPCG to update this document in accordance with the latest developments which had taken place in that forum.		Superseded	
APANPIRG/6	1995	Conclusion 6/7	Automation	SSR code assignment obligations	That, States be reminded of their obligations with respect to the principles reiterated hereunder: a)the use of discrete (four-digit) codes on a temporary (per flight) basis to permit economic code re-cycling and the minimization of State SSR code requirements; b)the design and introduction of new ATC systems, and (where practicable) the modification of existing systems, to support: i)ready assignment of a temporary discrete code for all flights for which no previous code assignment has been made or where its previous assignment is found to be unsuitable/incompatible; ii)an aircraft's retention of a single code for its entire flight; iii)the ready exchange of code assignment information with other States/FIRs affected by a flight; iv)preferably real time processing and display of SSR code information for identification, flight plan correlation and recognition of code duplications affecting correlation (failure of code protection measures); and v)immediate recognition and alerting of an aircraft's use of special codes such as those reserved for emergencies; and c)the need to maximize individual code protection by using a cyclical (sequential) method when assigning codes manually.				Completed		Not Applicable, please refer to the latest version	
APANPIRG/6	1995	Conclusion 6/9	Surveillance	Radar Facilities Table	That the regional radar facilities table and chart proposed for inclusion in the MID/ASIA ANP is continuously updated to assist the work of APANPIRG and its contributory bodies				Completed Survey of radar facilities has been forwarded to States. Results has been collated by Regional Office and presented to ATS/AIS/SAR/SG 7		Task Completed	
APANPIRG/6	1995	Decision 6/21	Navigation & Surveillance	Guidelines for the Construction of ATS Routes	That, Task No. 5 from the ATS/AIS/SAR Sub-Group task list be amended to include recommendations concerning the construction of ATS routes using Required Navigation Performance (RNP) and/or Automatic Dependent Surveillance (ADS) functions.		There is no longer a requirement for this task due to the recent publication of a number of ICAO provisions including The Manual on Airspace Planning for the Determination of Separation Minimums (Doc 9689) and the 2nd Edition of the Manual on Required Navigation Performance (RNP).		Completed		Superseded	
APANPIRG/6	1995	Decision 6/23	AFS	ICD for CCITT X.25 Protocol	That, the Fourth Meeting of AFS/AFTN Management Task Force further refine and finalize the ICD for X.25 protocol.				Completed		Task Completed	
APANPIRG/6	1995	Conclusion 6/24	AFS	Upgrading of Circuit Capacity	That, States concerned take actions to upgrade capacity of the following circuits by increasing signalling speed commensurate with operational requirements. 1. Bangkok/Singapore 2. Brunei/Singapore 3. Honiara/Sydney 4. Nauru/Sydney				Completed		Task Completed	
APANPIRG/6	1995	Conclusion 6/25	AFS	Integrated Voice Data Digital Networks	That, the concept of integrated voice and data digital networks be adopted for use in the Asia/Pacific Regions.				Completed		Applicable	
APANPIRG/6	1995	Conclusion 6/31	Navigation	RAPID Table COM 3 (Navigation Aids)	That, States provide implementation status and where available the future plans of their ANP commitments to ICAO, to facilitate the on-going update of the RAPID Table COM 3.				Completed		Task Completed	
APANPIRG/6	1995	Conclusion 6/32	Navigation	Strategy for the Provision of Precision Approach and Landing Guidance Systems	That, the updated Asia and Pacific Regional Strategy for the Provision of Precision Approach and Landing Guidance Systems, included as Appendix A to agenda item 2.3 be adopted.				Completed		Not Applicable, please refer to the latest version	
APANPIRG/6	1995	Decision 6/33	Navigation	GNSS Planning Information	That, the CNS/ATM/IC/SG a)Is encouraged to undertake the rapid assimilation of information regarding States GNSS planning activities. b)Provide that information to the NAV/SUR Sub-Group as soon as possible to ensure a rationalized Regional Augmentation System (RAS). c)Advise other sub-groups of APANPIRG regarding similar activities which overlap, so that the appropriate expertise from the sub-groups can come together as necessary to accomplish various tasks. eg. the task assigned to NAV/SUR Sub-Group on augmentation "supplemented with communications experts".				Completed Information contained in CNS/ATM Task Force meeting held in July 1996 noted.		Task Completed	
APANPIRG/6	1995	Decision 6/34	Surveillance	RAPID SURVEILLANCE TABLE	That, a RAPID Surveillance Table be developed by the Nav/Sur Sub-Group for surveillance facilities based on the format shown at Appendix B to agenda item 2.3.				Completed		Task Completed	
APANPIRG/6	1995	Conclusion 6/35	Navigation	Regional Strategy for the provision of the GNSS Regional Augmentation System (RAS)	That, the Regional Strategy for the provision of wide area GNSS augmentation for the Asia/Pacific Regions, included in Appendix D to agenda item 2.3, be adopted.				Completed		Not Applicable, please refer to the latest version	7/25
APANPIRG/6	1995	Decision 6/36	Others	Specific Air Navigation Planning and Implementation Problems	That, the specific air navigation planning and implementation problems identified in Appendix A to the Report on Agenda Item 2.5 be monitored and action taken as proposed.				Completed		Not Applicable, please refer to the latest version	

APANPIRG/6	1995	Conclusion 6/37	Others	Procedure for the amendment of the ASIA/PAC FASID	That, the procedure for the amendment of the ASIA/PAC FASID be as contained in Recommendation 14/3 of ASIA/PAC/3 RAN meeting.				Completed		Not Applicable, please refer to the latest version	
APANPIRG/6	1995	Decision 6/38	Others	Review of the Statement of the Basic Operational Requirement and Planning Criteria (BORRC)	That, the APANPIRG Sub-groups review the Statement of BORPC with the view of further aligning it with the implementation planning of the ICAO CNS/ATM.				Completed		Task Completed	
APANPIRG/6	1995	Conclusion 6/39	Others	Amendment to the Asia/Pacific Regional Plan for the New CNS/ATM Systems	That, the amendments described in Appendix A to the Report on Agenda Item 3 be adopted for the Asia/Pacific Regional Plan for the New CNS/ATM Systems.				Completed		Not Applicable, please refer to the latest version	
APANPIRG/6	1995	Decision 6/41	Navigation	GNSS for realizing global navigation satellite systems	That, the Guidelines be supplemented with regional information as and when required.				Completed		In force	
APANPIRG/6	1995	Decision 6/42	Others	CNS/ATM Workshops	That, as a follow on to APANPIRG Conclusion 5/41, a group of experts from Australia, Fiji, India, Singapore, United States and IATA be established to: a) determine syllabus for CNS/ATM systems workshops; b) identify specialist resources from States and International Organizations to conduct such workshops; and c) develop schedule for such workshops.				Completed		Task Completed	
APANPIRG/6	1995	Conclusion 6/44	Others	Co-ordination of dates of meetings of Regional Planning Groups and CNS/ATM Sub-Groups	That, co-ordination with adjacent regions be conducted to ensure where possible that the dates of the meetings held in adjacent regions do not conflict with the Regional Planning Group and CNS/ATM Sub-Group meetings in the Asia/Pacific Regions.				Completed		Task Completed	
APANPIRG/6	1995	Decision 6/45	AFS	Problem/Task list for Sub-Group and AFTN Management Task Force	That, a) the updated problem/task list in the ATS/AIS/SAR, COM/MET, NAV/SUR and CNS/ATM Implementation fields shown in Appendix A to Agenda Item 2.5 shall form the work programme of respective Sub-Groups. b) the revised Terms of Reference of the AFS/AFTN Management Task Force shall be as shown in Appendix A to the Report on Agenda Item 2.5.				Completed		Group Dissolved	
APANPIRG/7	1996	Decision 7/1	Others	Development of Asia/Pacific Guidance Material for CNS/ATM Operations	That, a Task Force be established to prepare appropriate Guidance Material for CNS/ATM Operations in the Asia/Pacific Region, taking into account the contents of the South Pacific Operations Manual and any other relevant information.	ICAO APAC RO			completed		Task Completed	
APANPIRG/7	1996	Conclusion 7/4	Navigation & Surveillance	WGS-84 Guidance Material	That, in order to assist the States in their WGS-84 implementation plan, the guidance material on WGS-84 implementation be published and distributed to States as soon as possible.	ICAO APAC RO APAC States and Administrations			completed		In force	
APANPIRG/7	1996	Conclusion 7/5	Navigation & Surveillance	Promulgation of WGS-84 Coordinates	That States which had converted their local co-ordinates to the WGS-84 co-ordinates or planned to convert prior to 1 January 1998, promulgate the WGS-84 co-ordinates as soon as possible.	APAC States and Administrations			completed		Not applicable	
APANPIRG/7	1996	Decision 7/10	AFS	Revision of the Title of the Task Force	The title of the AFS/AFTN Management Task Force is amended to be AFS Management Task Force.	ICAO APAC RO			completed		Group Dissolved	
APANPIRG/7	1996	Conclusion 7/11	AFS	Upgrading of AFTN Circuit Capacity	That, States concerned take action to upgrade capacity of the following AFTN circuits by increasing signalling speed commensurate with operational requirements. 1. Bangkok/Hong Kong 2. Bangkok/Bombay 3. Brisbane/Jakarta	APAC States and Administrations			Completed	Administrations concerned have taken action. The circuits are expected to be upgraded by the end of 1998.	Task Completed	
APANPIRG/7	1996	Conclusion 7/12	AFS	Amendment to the ANP	That, the ASIA/PAC Air Navigation Plan be amended to reflect the updated requirements by replacing the existing AFTN/Data Circuit Plan with the revised Plan shown in Appendix A to Agenda Item 2.2.	ICAO APAC RO			Completed	An amendment proposal APAC 97/8 - COM has been circulated to States. The proposal is expected to be approved by October 1997. To be completed by the end of November 1997.	Not Applicable, please refer to the latest version	
APANPIRG/7	1996	Conclusion 7/13	AFS	Requirement for the Macau/Guangzhou AFTN circuit.	That, a) the ASIA/PAC Air Navigation Plan be amended to reflect a requirement for the Macau/Guangzhou AFTN circuit; and b) the ICAO Regional Office coordinate AFTN routing arrangements	ICAO APAC RO			completed		Not Applicable, please refer to the latest version	
APANPIRG/7	1996	Conclusion 7/14	AFS	Standardisation of the Interface Control Document (ICD) for X.25 Protocol for AFTN	That, a) The ICD for X.25 protocol for AFTN provided in Appendix B be adopted for use in the ASIA/PAC Regions; b) States notify ICAO of differences in the implementation of the protocol; and c) ICAO Regional Office publish the differences, if any, as Appendix to the ICD.	ICAO APAC RO APAC States and Administrations			completed		In force	6/23
APANPIRG/7	1996	Conclusion 7/15	AFS	Amendment to the ATS Direct Speech Circuit Plan	That, the type of service for the Male/Madras and Male/Trivandrum ATS direct speech circuits be amended from "LTF Switched via Bombay" to "TOLL" services	ICAO APAC RO			completed		Not Applicable, please refer to the latest version	8/18
APANPIRG/7	1996	Conclusion 7/16	Frequency	Proposed ICAO Position to WRC'97	That, States take active participation in national discussions with their respective Telecom Regulatory authorities to provide necessary support to ICAO position in States' position papers to be presented to the ITU WRC'97.	APAC States and Administrations			completed		Task Completed	

APANPIR G/7	1996	Conclusion 7/25	Navigation	Regional Strategy for the provision of the GNSS Regional Augmentation System (RAS)	That the revised Regional Strategy for the provision of the GNSS Regional Augmentation System for the Asia/Pacific Region, included in paragraph 2.3.4, be adopted and circulated to States.	ICAO APAC RO		completed		Not Applicable, please refer to the latest version	
APANPIR G/7	1996	Conclusion 7/26	Navigation	Future work for the regional implementation of GNSS.	That, the following tasks required for the implementation of GNSS operations be referred to the appropriate body. a) the urgent need for Obstacle Clearance Panel to complete PANS-OPS criteria for the design of GNSS procedures; b) the conduct of training/workshops to allow States to develop and implement GNSS procedures; c) encourage States to participate in the evaluation and trialing of augmentation systems; d) progress the adoption of the WGS-84 co-ordinate system and introduction of high integrity systems for the management of the co-ordinate data; e) co-ordination and resolution of issues commonly faced by States in the implementation of GNSS e.g. approval of GNSS operations, interfaces among Ground Reference Stations and Master Stations, datalink and spectrum issues of the augmentation broadcast systems; and f) an analysis of the placement of monitoring stations in the ASIA/PAC region to support the RAS	ICAO APAC RO APAC States and Administrations		Completed		Task Completed	
APANPIR G/7	1996	Decision 7/27	Surveillance	CNS FASID Table - Surveillance	That, a CNS FASID Table Surveillance be further developed based on format shown in Appendix A to report on agenda item 2.3.	ICAO APAC RO		Completed		Not Applicable, please refer to the latest version	
APANPIR G/7	1996	Decision 7/28	Navigation & Surveillance	Carriage of ACAS in the ASIA/PAC region	That, the carriage of ACAS in the ASIA/PAC region be referred to the NAV/SUR Sub-Group for the advice on: i) the application of ACAS in the region; ii) the time table for implementation; and iii) implementation details including the reflection of requirements in appropriate tables.	ICAO APAC RO		completed Actions taken by Australia, Hong Kong, China, India and Japan concerning mandatory carriage of ACAS were noted.		Task Completed	8/29
APANPIR G/7	1996	Conclusion 7/29	Surveillance	Format for Radar Data Exchanges	That, i) the ASTERIX format be recommended for use for radar data exchange of surveillance information between facilities located in neighbouring States with ASIA/PAC regions; and ii) ICAO publish required document in a form of an ICD and coordinate address registration procedures and notification of differences for the use of the ASTERIX format.	ICAO APAC RO		Completed Details to be included in the ICD is being studied.		Task Completed	9/17
APANPIR G/7	1996	Decision 7/30	Others	Specific Air Navigation Planning and Implementation Problems/Tasks	That, the specific air navigation planning and implementation problems/tasks identified in Appendix A to the Report on Agenda Item 2.5 be monitored and action taken as proposed.	ICAO APAC RO		completed		Not Applicable	
APANPIR G/7	1996	Conclusion 7/31	Others	Amendment to the Asia/Pacific Regional Plan for the new CNS/ATM Systems	That the amendments contained in Appendix B and the Tables contained in Appendix C to Agenda Item 3 of the Report be adopted for inclusion in the Asia/Pacific Regional Plan for the new CNS/ATM Systems.	ICAO APAC RO		completed		Not Applicable, please refer to the latest version	
APANPIR G/7	1996	Conclusion 7/32	AFS	Circulation to States and ATS Co-ordination Groups of the Tables for ATM Enhancements for the 9 Geographic Areas	That the Tables of ATM Enhancements for the 9 Geographic areas be circulated by ICAO to the States and ATS Co-ordination Groups for consideration and updating at their meetings and that their response be provided to the ICAO Regional Office.	ICAO APAC RO		completed		Task Completed	
APANPIR G/7	1996	Conclusion 7/33	Others	Courses and Workshops on CNS/ATM Systems	That, a) the list of proposed topics for training in CNS/ATM systems at Appendix E to Agenda Item 3 be circulated to States for their consideration; b) States be requested to advise ICAO the topics from the list on which they had training programmes currently available or under development.	ICAO APAC RO APAC States and Administrations		completed		Task Completed	
APANPIR G/7	1996	Decision 7/34	Others	Establishment of a CNS/ATM Training Task Force	That CNS/ATM Training Task Force be established with the participation of Australia, Fiji, India, Malaysia, New Zealand, Singapore, Thailand, United States, IATA, IFALPA and IFATCA with the Terms of Reference given below.	ICAO APAC RO APAC States and Administrations		completed		Group Dissolved	
APANPIR G/7	1996	Decision 7/38	AFS	Problem/Task list for Sub-Group and AFTN Management Task Force	That, a) the updated problem/task list in the ATS/AIS/SAR, COM/MET/NAV/SUR and CNS/ATM Implementation fields shown in Appendix A to the Report on Agenda Item 2.5 shall form the work programme of respective Sub-Groups. b) the revised Terms of Reference of the AFS Management Task Force shall be as shown in Appendix A to the Report on Agenda Item 2.5	ICAO APAC RO		completed		Group Dissolved	Updated from 6/45, 5/49, 4/46 Updated from 1/5, 3/23, 4/45, 5/33, 6/36
APANPIR G/7	1996	Conclusion 7/39	Others	Procedure for the application of ASIA/PAC Regional Guidance Material in the Air Navigation Fields	That, the procedure for application of ASIA/PAC Regional Guidance Materials in the Air Navigation Fields, contained in paragraph 6.1.5 above, be endorsed and States be encouraged to follow the regional guidance material.	ICAO APAC RO APAC States and Administrations		completed		In force	

APANPIRG/8	1997	Conclusion 8/4	Surveillance	CNS FASID Table Surveillance	That, the CNS FASID Table Surveillance be developed from the information contained in the Radar Facilities Table and the ATS Automation Systems Table (Surveillance), attached in Appendix B and C respectively to Agenda Item 2.1 of this Report.	ICAO APAC RO			Completed			Not Applicable, please refer to the latest version	
APANPIRG/8	1997	Conclusion 8/11	Others	Asia/Pacific Guidance Material for CNS/ATM Operations	That, the Asia/Pacific Guidance Material for CNS/ATM Operations attached at Appendix E Agenda Item 2.1 of this Report be adopted, subject to minor editorial updating.	ICAO APAC RO			Completed			Not Applicable, please refer to the latest version	
APANPIRG/8	1997	Conclusion 8/12	Automation	Implementation of minimum safe altitude warning (MSAW) system	That, in view of the safety benefits of the MSAW system, States of the ASIA/PAC Regions implement the system as soon as possible.	ICAO APAC RO APAC States and Administrations			Completed			In force	
APANPIRG/8	1997	Decision 8/13	AFS	Revision of the Tasks List of the AFS Management Task Force	That, the Tasks List of the AFS Management Task Force be amended as shown in Appendix A to Agenda Item 2.2 of this Report.	ICAO APAC RO			Completed			Group Dissolved	
APANPIRG/8	1997	Conclusion 8/14	AFS	Need to report AFTN Statistics	That, States not reporting AFTN circuit loading statistics take action in accordance with Conclusion 10/4 of ASIA/PAC/3 RAN meeting to report the statistics and carry out periodic review of circuit loading condition.	APAC States and Administrations			Completed			In force	
APANPIRG/8	1997	Conclusion 8/15	AFS	Amendment to EUR-ASIA/PAC AFTN Routing	That, a) the AFTN routing between EUR and ASIA/PAC Regions be amended to be via Bangkok, Singapore and Tokyo as proposed by the AFS Management Task Force; and b) ICAO coordinate implementation of the routings.	ICAO APAC RO APAC States and Administrations			Completed		Co-ordination was completed and all centres concerned implemented agreed routing effective 15 November 1999.	Not Applicable, please refer to the latest version	
APANPIRG/8	1997	Conclusion 8/16	AFS	Amendment to AFTN Routing between Russian Federation and USA	That, a) the AFTN routing between K and U AFSRAs be routed via Tokyo; b) Japan, Russian Federation and United States coordinate implementation of the agreed routing and advise Secretariat of implementation details; and c) ICAO coordinate the proposed amendment with ICAO EUR Regional Office	ICAO APAC RO APAC States and Administrations			Completed				
APANPIRG/8	1997	Conclusion 8/17	AFS	ICD for Signalling System for ATS Speech Network	That, a) the ICD for PSS 1 Digital Signalling System and the numbering plan provided in Appendix C to the Agenda Item 2.2 of this Report be adopted for use in the ATS Speech Circuit Network in the ASIA/PAC Region; and b) States may employ PSS 1 or any other signalling system on a bi-lateral basis on point-to-point circuits	ICAO APAC RO APAC States and Administrations			Completed			In force	
APANPIRG/8	1997	Conclusion 8/18	AFS	Comprehensive review of the ATS direct speech circuit plan	That, a) States review the requirements for the ATS direct speech circuits with respect to the facilities and update the Table including target dates for implementation and provide updates information to ICAO; and b) ICAO compile the updated information and present it for review at the next AFS Management Task Force meeting.	ICAO APAC RO APAC States and Administrations			Completed			Task Completed	Updated from 7/15
APANPIRG/8	1997	Conclusion 8/28	Navigation & Surveillance	GNSS Seminar	That, States, in a position to do so, conduct in co-ordination with ICAO, Seminars to address practical implementation aspects of GNSS	ICAO APAC RO APAC States and Administrations			Completed			Task Completed	
APANPIRG/8	1997	Conclusion 8/29	Others	Carriage of ACAS and Transponders	That, until such time as a universal standard on the mandatory carriage of ACAS is approved by the ICAO Council, in the Asia/Pacific Region, a) In respect of International Commercial Air Transport Aeroplanes, i) effective from 1 January 2000, all turbine-powered aeroplanes which have a maximum certificated take-off mass in excess of 15000 kg or which are authorised to carry more than 30 passengers be equipped with an Airborne Collision Avoidance System (ACAS). The Airborne Collision Avoidance System should operate in accordance with ICAO Annex 10, Volume IV, ii) requirements for mandatory carriage of ACAS for other aeroplanes be at the discretion of individual States, iii) effective from 1 January 1999, all aeroplanes be equipped with a pressure-altitude reporting transponder. The transponder should be of a type certificated by the State as meeting the accuracy requirements of ACAS. b) In respect of International General Aviation Aeroplanes, effective from 1 January 1999, all aeroplanes be equipped with a pressure-altitude reporting transponder. The transponder should be of a type certificated by the State as meeting the accuracy requirements of ACAS. c) In respect of International Helicopter operations, effective from 1 January 1999, all helicopters be equipped with a pressure-altitude reporting transponder. The transponder should be of a type certificated by the State as meeting the accuracy requirements of ACAS. In respect of training requirements i) ICAO ensure that amendments to rules of the air and ATC procedures, as required to support ACAS operation be issued for worldwide application. ii) States implement a training program for pilots and air traffic controllers, to ensure a uniformity of understanding of the function of and operational issues associated with ACAS	ICAO APAC RO APAC States and Administrations			Completed		A Regional Supplementary Procedure has been approved. Further action was undertaken by the ATS/AIS/SAR Sub-group at its year 2000 meeting and passed to APANPIRG/11 for consideration	Not Applicable, please refer to the latest version	7/28
APANPIRG/8	1997	Conclusion 8/30	Frequency	Radio Frequency Spectrum	That, States note the importance of radio frequency spectrum to safe and efficient operation of the CNS/ATM system and undertake on-going co-ordination with their State's spectrum regulatory authority to ensure the availability of sufficient and suitable spectrum for aviation applications.	APAC States and Administrations			Completed			In force	
APANPIRG/8	1997	Decision 8/31	Others	Amendment to the Terms of Reference and Tasks List in the COM/MET/NAV/SUR fields	That, The amended Terms of Reference and Tasks Lists in the COM/MET/NAV/SUR fields presented in Appendix H to Agenda Item 2.2 of this Report be adopted	ICAO APAC RO			Completed			Group Dissolved	
APANPIRG/8	1997	Conclusion 8/32	AFS	Review of CNS/ATM geographic tables based on major traffic flows by ATS Co-ordination Meetings	That, ICAO requests the ATS Co-ordination Meetings to review the CNS/ATM Geographic Tables relating to their area of responsibility and provide input to ICAO on activities completed or being undertaken, with regard to the operational enhancements, for consideration by the Sub-Groups of APANPIRG.	ICAO APAC RO			Completed			Task Completed	

APANPIRG/8	1997	Decision 8/33	Others	Preparation of the ASIA/PAC ANP and FASID	That, further to Conclusion 14/4 of the ASIA/PAC/3 RAN Meeting, an ANP/FASID Task Force be established to prepare a draft ASIA/PAC basic ANP and its accompanying detailed FASID document for review by the APANPIRG Sub-Groups and final consideration by the APANPIRG. The composition and terms of reference of the Task Force are contained in Appendix A to Agenda Item 2.4 of this Report	ICAO APAC RO		Completed		Group Dissolved	
APANPIRG/8	1997	Conclusion 8/37	Others	Guidelines for the Planning Process	That, in order to facilitate the CNS/ATM planning and implementation process the following be used as base guidance material: a) the statement of ICAO policy on CNS/ATM systems implementation and operation which was approved by the Council (C 141/13) on 9 March 1994; b) Assembly Resolution A31-6; c) Assembly Resolution A31-14; d) Chapter 3 of the draft Global Plan for CNS/ATM Systems; e) Draft Asia/Pacific Guidance Material for the New CNS/ATM Systems	ICAO APAC RO		Completed		Not Applicable, please refer to the latest version	
APANPIRG/8	1997	Conclusion 8/38	Others	Technical Co-operation for National CNS/ATM Planning and Implementation	That, the new regional Technical Co-operation Project proposal, that had emerged from the 1996 meeting of GREPECAS to assist States (that so require) in the planning and implementation of the new CNS/ATM systems, be adopted for ASIA/PAC Regions with suitable modifications.	ICAO APAC RO		Completed		Not Applicable	
APANPIRG/8	1997	Conclusion 8/39	Others	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.	ICAO APAC RO	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		Superseded	Updated from 7/33, 6/42, 5/41
APANPIRG/8	1997	Conclusion 8/40	Others	Amendment to the Asia/Pacific Regional Plan for the New CNS/ATM Systems	That, the Asia/Pacific Geographic and Transition Timeframe Tables as shown in Appendix A and B to Agenda Item 3 of this Report, be incorporated as amendments to the Asia/Pacific Regional Plan for the New CNS/ATM Systems.	ICAO APAC RO		Completed		Not Applicable	
APANPIRG/8	1997	Conclusion 8/41	Others	Proposed Withdrawal Dates for Ground Based Communication, Navigation and Surveillance Facilities	That, a survey be co-ordinated seeking information from States regarding proposed dates for the withdrawal of ground based communications, navigation and surveillance facilities and that this information be provided to the CNS/ATM/IC/SG/5 meeting.	ICAO APAC RO APAC States and Administrations		Completed		Task Completed	
APANPIRG/8	1997	Conclusion 8/42	Navigation	RNP 10	That, States be advised of: a) the requirement to use "R" in item 10 of the ICAO Flight Plan Form, in accordance with PANS-RAC Doc 4444, when describing RNP approval; and b) the fact that the responsibility for RNP operational approval rests with the State of Registry or State of the Operator	APAC States and Administrations		Completed		In force	
APANPIRG/8	1997	Conclusion 8/43	Navigation & Surveillance & Frequency	GNSS Frequency Based Interference	That, as a matter of urgency, States note the problems associated with possible interference use of the GNSS band, by non-aeronautical users. States are urged to provide this information to all GNSS users, who should advise their representatives to WRC-97 and WRC-99, of the need to protect and secure the band from interference. States should also urge their representatives to support ICAO's position on this matter.	ICAO APAC RO APAC States and Administrations		Completed		In force	
APANPIRG/8	1997	Conclusion 8/45	Others	CNS/ATM/IC/SG Revised Terms of Reference and Future Work Programme	That, the new terms of reference and future work programme of the CNS/ATM/IC/SG as shown in Appendix C to Agenda Item 3 of this Report be endorsed.	ICAO APAC RO		Completed		Group Dissolved	
APANPIRG/8	1997	Conclusion 8/46	Others	CNS/ATM Training	That, the CNS/ATM Training Task Force outputs contained at Appendix D, which have already been passed to TRAINAIR and the Human Resource Planning Needs Study Group be circulated to States for use in the development of CNS/ATM Training Programmes.	ICAO APAC RO		Completed		Task Completed	Follow up 7/34
APANPIRG/9	1998	C/9/2	Navigation & Surveillance	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.	ICAO APAC RO APAC States and Administrations	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	Closed, managed by Deficiencies list		Not applicable	Deficiency
APANPIRG/9	1998	C 9/11	Others	Maintenance of the CNS/ATM Guidance Material for the Region	That, Requests for Change (RFC) 2, 3, 4 & 5, as attached at Appendix B to the report on Agenda Item 2.1 be adopted as amendments to the Guidance Material on CNS/ATM Operations in the Asia Pacific Region. Noted the conclusion and requested the Secretariat to take action as appropriate.	ICAO APAC RO	Amendments incorporated in the Guidance Material.	Completed	ANC	Not Applicable, please refer to the latest version	
APANPIRG/9	1998	C 9/15	AFS	Amendment to the ASIA/PAC ANP	That, the ASIA/PAC ANP be amended to: a) add a requirement for the Beijing/Seoul AFTN circuit; b) delete the Pago Pago/Nadi AFTN circuit; and c) add a requirement for the Pago Pago/USA AFTN circuit.	ICAO APAC RO	- A proposal for amendment to the plan was developed and processed. - The council approved the amendment proposal. - Beijing/Seoul AFTN will be implemented by the end of 2001; - Pago Pago/USA circuit already implemented. - Amendments being reflected in the Plan.	Completed		Not Applicable, please refer to the latest version	

APANPIRG/9	1998	D 9/16	AFS	ATN Transition Task Force	That, a) the AFS Management Task Force be dissolved; b) an ATN Transition Task Force be established with the Terms of Reference and Task List provided in Appendix A to the report on Agenda Item 2.2; and c) the Task Force be composed of experts nominated by Australia, China, Fiji, Hong Kong (China), India, Indonesia, Japan, New Zealand, Singapore, Thailand and USA.	ICAO APAC RO	The AFS Management Task Force was dissolved and ATN Transition Task Force has been established. The first meeting of the Task Force was held in Australia in February 1999.	Completed		Group Dissolved	
APANPIRG/9	1998	C 9/17	Navigation	ICD for Radar Data Exchanges	That, a) the ASTERIX Standard Document be used as an ICD for Radar Data Exchange within ASIA/PAC Region; b) ICAO issue a Regional Supplement containing SAC with guidance for SIC assignment as shown in Appendix B to the report on Agenda Item 2.2 ; c) States allocate SIC based on function and facility categories and advise ICAO Regional Office for inclusion in the Supplement; and d) ICAO coordinate assignment of SAC with States and Territories in the Region and with EUROCONTROL on procedural matter. Noted the conclusion and requested the Secretariat to take action as appropriate, including examination of the need to develop SARPs related to radar data exchange.	ICAO APAC RO APAC States and Administrations	- Tables containing SAC allotment for States in the ASIA/PAC region and the guidance material or allocation of SIC by States for individual facility were sent to States in the region. - The tables containing both SAC and SIC will be issued as a Supplement to the ASTERIX ICD for ASIA/PAC region upon receipt of SIC assignment from States for their individual facilities	Completed	ANC	Task Completed	
APANPIRG/9	1998	C 9/31	Navigation	GNSS Regional Augmentation Strategy (RAS)	That, the GNSS Regional Augmentation Strategy (RAS) be reviewed and an alternative strategy be progressed with a view to focus on ensuring appropriate service provision from the space-based systems and alternative technology available. This task be included in the Task List of the COM/MET/NAV/SUR Sub-Group.	ICAO APAC RO	The Task was included in the Task List and COM/MET/NAV/SUR SG/3 completed review of the strategies.	Completed		Not Applicable, please refer to the latest version	
APANPIRG/9	1998	C 9/32	Navigation & Frequency	GNSS Frequency Protection	That, as a matter of urgency States note the critical potential interference problems associated with the proposed sharing of the GNSS band with non-aeronautical mobile satellite service. States are urged to provide this information to all GNSS users, who should advise their representatives to WRC/2000, of the need to protect and secure the band from interference by retaining exclusive allocation to GNSS. States should also urge their representatives to support ICAO's position on this matter at all forums. Noted the conclusion and its relation to ITU World Radio Conference (WRC-2000).	ICAO APAC RO APAC States and Administrations		Completed Action was taken in accordance with the Conclusion. States were advised to take necessary actions to support ICAO Position at APT Meetings and at WRC 2000. ICAO position was supported by WRC 2000.		In force	
APANPIRG/9	1998	D 9/33	Others	Tasks List and the work programme COM/MET/NAV/SUR Sub-Groups	That, the updated Tasks List in the COM/MET/NAV/SUR fields presented in Appendix J to the report on Agenda Item 2.2 be adopted as the work programme of the COM/MET/NAV/SUR Sub-Group.	ICAO APAC RO	Task list reviewed by COM/MET/NAV/SUR Sub-Group and updated.	Completed		Group Dissolved	
APANPIRG/9	1998	C 9/34	Others	Draft Basic ASIA/PAC ANP and Draft ASIA/PAC FASID	That, the draft Basic ASIA/PAC ANP and the draft ASIA/PAC FASID be adopted, circulated to States in the region for them to review and verify the entries with respect to their facilities and services, prior to processing proposal for amendment to the Plan. Noted the conclusion and expressed appreciation to the States concerned.	ICAO APAC RO APAC States and Administrations		Completed The documents reviewed and verified by States. A proposal for amendment of the plan is processed in accordance with established procedures.	C	Task Completed	
APANPIRG/9	1998	C 9/36	Others	Proposed Withdrawal Dates for Ground Based Communications, Navigation and Surveillance Facilities	That, information from States regarding proposed dates for the withdrawal of ground based Communication, Navigation and Surveillance facilities be obtained and that this information be provided to all APANPIRG Sub-Group meetings in 1999. Noted the conclusion and that caution should be given to the States concerned that any withdrawal plans should be in line with the regional CNS/ATM implementation plans, including co-ordination with the operators and after consultations with users through the regional planning process.	ICAO APAC RO	Further action will be taken in accordance with ANC directions.	Completed	ANC	Task Completed	8/41
APANPIRG/9	1998	D 9/37	Others	Review of the Asia Pacific Regional Plan for the New CNS/ATM Systems	That, the Secretariat in association with the Chairmen of the CNS/ATM/IC, ATS/AIS/SAR and COM/MET/NAV/SUR Sub-groups, review the Asia Pacific Regional Plan for the New CNS/ATM Systems and align it with the Revised Global Plan and the Asia Pacific Facilities and Services Implementation Document (FASID). The results of this work is to be presented to the CNS/ATM/IC/SG/6 meeting.	ICAO APAC RO	Regional Plan has been aligned with the Global Plan.	Completed		Task Completed	

APANPIRG/9	1998	D 9/39	Others	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 group. The Task Force should comprise experts in this field from Australia, China, Fiji, India, Indonesia, Japan, New Zealand, Pakistan, Philippines, Singapore, Thailand, United States, IATA, IFALPA and IFATCA.	ICAO APAC RO	The Task Force was established and had 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.	Completed. Sub Groups to review Human Factors Manual to be published late 2004 and raise WP for consideration by APANPIRG/16		Group Dissolved	
APANPIRG/9	1998	D 9/40	Others	Key Priorities for CNS/ATM Implementation	That, the Key Priorities for CNS/ATM Implementation in the Asia Pacific Region, contained at Appendix C to the Report on Agenda Item 3, be adopted and incorporated into the work programme of sub-groups.	ICAO APAC RO	Key priorities addressed by the respective sub-groups.	Completed		Not Applicable, please refer to the latest version	
APANPIRG/9	1998	C 9/41	AFS	Facilitation and Promulgation of SARPs	That, ICAO consider alternative mechanisms to allow the use of material applicable to ADS, which is in the process of completion, in order to facilitate the early operational use of available ADS facilities in the Asia/Pacific region Noted the conclusion and requested the Secretariat to further expedite the work within the ADS Panel.	ICAO APAC RO	Further action will be taken under D 9/42.	Completed	ANC	Superseded	
APANPIRG/9	1998	D 9/42	AFS	Guidance Material for ADS in the Asia/Pacific Region	That, pending promulgation of ICAO provisions on ADS, the ATS/AIS/SAR Sub-Group be tasked with developing Guidance Material for the application of ADS in the Asia/Pacific Region.	ICAO APAC RO	Added to Task List.	Completed		Task Completed	
APANPIRG/9	1998	C 9/43	Others	Amendments to the Asia/Pacific Regional Plan for the New CNS/ATM Systems	That, the proposed amendments to the Asia/Pacific Regional Plan for the New CNS/ATM Systems contained at Appendix D to the Report on Agenda Item 3, be adopted as amendments to the Asia/Pacific Regional Plan for the New CNS/ATM Systems.	ICAO APAC RO	The Regional Plan has been amended accordingly.	Completed		Not Applicable, please refer to the latest version	
APANPIRG/9	1998	C 9/44	Others	Determination of Timeframes for ATM Operational Enhancements	That, with respect to Chapter 16 (Geographic Tables of ATM Operational Enhancements) of the Asia Pacific Regional Plan for the New CNS/ATM Systems, States be encouraged to indicate tentative dates for implementation of ATM operational enhancements in order to facilitate planning by users and services providers	APAC States and Administrations	States have been encouraged to indicate tentative dates for implementation of ATM operational enhancements.	Completed		Task Completed	
APANPIRG/9	1998	D 9/46	Others	Terms of Reference and Tasks for the CNS/ATM/IC Sub-Group	That, the Terms of Reference and Work Programme, which are attached at Appendix E to the Report on Agenda Item 3, be adopted as the Terms of Reference and Work Programme of the CNS/ATM/IC Sub-group.	ICAO APAC RO	The Sub-Group has noted the revised TOR.	Completed		Group Dissolved	
APANPIRG/10	1999	D 10/10	AFS	Revision of the Subject/Tasks List of ATN Transition Task Force	That, the Subject/Tasks List of the ATN Transition Task Force be amended as shown in Appendix A to the Report on Agenda Item 2.2	ICAO APAC RO	Second ATN Transition Task Force Meeting held in March 2000 was provided the updated Subject/Tasks List	Completed		Group Dissolved	
APANPIRG/10	1999	C 10/11	AFS	Guidance Material for Ground Element in ATN Transition	That, the Guidance Material for Ground Element in ATN Transition be adopted and circulated to States. Noted the conclusion and requested the Secretary General to take into account in relation to the development of a consolidated and comprehensive ATN manual.	ICAO APAC RO	Guidance Material was circulated to States in February 2000.	Completed	ANC	Not Applicable	
APANPIRG/10	1999	C10/12	AFS	Need to monitor AFTN circuit loading	That, States concerned closely monitor loading conditions on the following AFTN circuits and provide the results of monitoring and plans for upgrading of the circuits to ICAO. 1. Manila/Singapore 2. Nandi/Apia-Faleolo 3. Nandi/Noumea 4. Hong Kong/Manila 5. Kuala Lumpur/Madras	ICAO APAC RO APAC States and Administrations	1. Manila/Singapore is expected to be upgraded in 09/01. 2. Nadi/Apia-Faleolo is planned to be routed via USA by the end of 2001. 3. Nadi/Noumea already upgraded to 2400 bps. 4. Hong Kong/Manila expected to be upgraded in 09/01. 5. Kuala Lumpur/Chennai planned for upgrading in 12/01.	Completed To be completed by 12/01		Not Applicable	
APANPIRG/10	1999	D 10/13	Navigation	Strategy for the Provision of Precision Approach and Landing Guidance Systems	That, the current Asia/Pacific Regional Strategy for the Provision of Precision Approach and Landing Guidance be reviewed and an updated strategy be developed, taking into account: the standardization of GBAS local area augmentation systems and SBAS wide area augmentation systems by ICAO; feasibility of GBAS systems to support category II and III operations; the development and deployment of multimode receivers; the definition of Required Navigation Performance for approach, landing and departure operations; and human, environmental and economic factors.	ICAO APAC RO	Included in the Subject/Tasks List of the COM/MET/NAV/SUR Sub-Group. This task has been completed by COM/MET/NAV/SUR SG/4 meeting.	Completed		Not Applicable, please refer to the latest version	

APANPIR G/10	1999	D 10/14	Navigation	Strategy for the Provision of GNSS Augmentation in the ASIA/PAC Region	That, the Strategy for the Provision of GNSS Augmentation in the ASIA/PAC Region be amended and adopted as stated in Appendix B to the Report on Agenda Item 2.2; and a more general strategy for the implementation of GNSS navigation capability in the Asia/Pacific Region be developed, taking into account: Required Navigation Performance for all phases of flight; the standardization of GNSS by ICAO through published Standards, Recommended Practices, PANS and guidance material; the ability of aircraft to achieve RNP requirements through the use of on-board systems, and human, environmental and economic factors.	ICAO APAC RO	Included in the Subject/Tasks List of the COM/MET/NAV/SUR Sub-Group. This task has been completed by COM/MET/NAV/SUR SG/4 meeting.	Completed			Not Applicable, please refer to the latest version	
APANPIR G/10	1999	C10/15	Frequency	ICAO Position to World Radiocommunication Conference-2000 (WRC-2000)	That, States, in preparing their national proposals to the ITU WRC-2000 include, to the maximum extent possible, the material contained in the ICAO position at the WRC-2000; 1) ensure, to the extent possible, that their delegations to the APT meetings and the WRC-2000 include representatives of their civil aviation administrations; and 2) be urged to present the current status of their preparation for WRC-2000 at the 35th DGCAs Conference. Noted the conclusion and requested the Secretary General to accord high priority to ICAO's role in safeguarding the aeronautical interest at WRC-2000.	ICAO APAC RO	- Follow up actions were taken at various stages. - AMCP WG-F Meeting was hosted. - 35th DGCA Conference formulated an action item 35/9 based on the paper presented by the Secretariat to provide necessary support to ICAO Position. - ICAO effectively participated at all the four preparatory meetings conducted by APT. - Almost all of the ICAO Positions were supported in the APT Position paper for the ASIA/PAC region presented at WRC 2000. - Outcome of the WRC-2000 fully satisfied ICAO Position.	Completed	C		Task Completed	
APANPIR G/10	1999	C 10/26	Others	Updated statement of BORPC for regional air navigation planning	That, the updated Statement of BORPC for regional air navigation planning be incorporated into the Asia/Pacific Basic ANP.	ICAO APAC RO	The updated statement of BORPC was incorporated in the draft Basic ANP, which is currently in process.	Completed			Not Applicable, please refer to the latest version	
APANPIR G/10	1999	C 10/27	Others	ASIA/PAC Basic ANP and FASID	That, the draft ASIA/PAC Basic ANP and FASID be updated and processed in accordance with established procedures. Noted the conclusion and requested the Secretary General to arrange for the completion, approval and publication of the documents as a matter of priority, in accordance with established procedures.	ICAO APAC RO	Basic ANP and FASID were updated and a proposal for amendment to the plan was circulated. Comments received from States are being processed. Final documentation will be submitted to the Council for approval by the end of October 2000.	Completed	The ASIA/PAC Basic ANP and FASID/C were approved by the President of the Council on 11 August 2001.		Task Completed	
APANPIR G/10	1999	C 10/29	Others	CNS/ATM Training & Human Resource Development Strategy	That, the CNS/ATM Training & Human Resource Development Strategy contained at Appendix A to the Report on Agenda Item 3, be adopted as the CNS/ATM Training & Human Resource Development Strategy for the Asia Pacific Region. Noted the conclusion and requested the Secretary General to take action thereon in the context of ANC Task no. PEL-9601.	ICAO APAC RO	The Strategy has been adopted.	Completed	C		Not applicable	
APANPIR G/10	1999	C 10/32	Others	Key priorities for CNS/ATM Implementation	That, the updated Key Priorities at Appendix B to the Report on Agenda Item 3 be adopted as Key Priorities for CNS/ATM Implementation in the Asia Pacific Region.	ICAO APAC RO		Completed			Not Applicable, please refer to the latest version	
APANPIR G/10	1999	C 10/33	Others	Asia/Pacific Regional Plan for the New CNS/ATM Systems	That, the Revised Draft Asia/Pacific Regional Plan for the New CNS/ATM Systems, be adopted as the Asia/Pacific Regional Plan for the New CNS/ATM Systems and be circulated to States. Noted the conclusion and requested the Secretary General to take it into account in the global harmonization of CNS/ATM systems.	ICAO APAC RO	ATN Transition Guidance Materials were incorporated in Chapters 5 and 7 and updated document was circulated to States.	Completed	ANC		Not Applicable, please refer to the latest version	
APANPIR G/10	1999	D 10/34	Others	Terms of Reference and Tasks for the CNS/ATM Systems Sub-group	That, the Terms of Reference and Work Programme, which are attached at Appendix C to the Report on Agenda Item 3, be adopted as the Terms of Reference and Work Programme of the CNS/ATM/IC Sub-Group.	ICAO APAC RO	The revised CNS/ATM/IC Sub-group Terms of Reference and Work Programme were used as the work assignment for the CNS/ATM/IC Sub-group.	Completed			Group Dissolved	
APANPIR G/10	1999	C 10/43	Others	Preparation of Business Cases for CNS/ATM Implementation	That, ICAO, under its Technical Co-operation Programme and/or other suitable mechanism, be requested to undertake the preparation of business cases for various options for the implementation of CNS/ATM system in the region. Noted the conclusion and requested the Secretary General to extend assistance, under established practices, in the development of cost/benefit analyses and subsequent business plans.	ICAO APAC RO ICAO HQ	Technical cooperation in the process of preparing project documentation	Completed	C		Task Completed	

APANPIRG/11	2000	C 11/4	Others	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.	ICAO APAC RO ICAO HQ	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. 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.	Closed			Not Applicable, please refer to the latest version	
APANPIRG/11	2000	C 11/6	Others	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.	ICAO APAC RO APAC States and Administrations	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.	(Closed superseded by Conclusion 14/6)			Superseded	
APANPIRG/11	2000	C 11/7	Others	Implementation of ACAS II	That States; promulgate their implementation plans mandating the carriage and operation of ACAS II; and 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. Noted the conclusion and requested the Secretary General to urge States to take action to mandate the carriage of ACAS II by the globally agreed date of 1 January 2003.	ICAO APAC RO APAC States and Administrations	Two surveys have been conducted. The secretariat continues to monitor the implementation The results was presented to APANPIRG in the ATS/AIS/SAR/SG/11 Report	1 January 2003 Completed 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 2003 is to be identified as Deficiency. *Superseded by Annex 6 provision effective 1 January 2003	C		Not applicable	
APANPIRG/11	2000	C 11/14	AFS	Use of digital circuits	That, States consider implementing digital communication networks or circuits in a co-ordinated manner in order to meet current and future AFS communication requirements for data/voice communications and to facilitate the introduction of ATN.	ICAO APAC RO APAC States and Administrations	The Conclusion was brought to the attention of States. Where feasible, States have upgraded to digital circuits. This action is an on-going action by States.	Completed			In force	
APANPIRG/11	2000	C 11/15	AFS	Alternative arrangements for VSAT	That, States consider the provision of an alternative communication links for: a) critical AFS communications which are supported by a single VSAT system between States; and b) remote control air-ground (RCAG) VHF stations supported by a single VSAT link.	APAC States and Administrations	The Conclusion was brought to the attention of States for action. Some States have already taken remedial action as recommended. This is an on-going action by States.	Completed The Conclusion was brought to the attention of States for action. Some States have already taken remedial action as recommended. This is an on-going action by States.			Applicable	
		C 11/16	Others	Amendment to ASIA/PAC ANP	That, the ASIA/PAC ANP be amended as follows: 1) the entry/exit points: a) between ASIA/PAC and AFI should be Mumbai and Brisbane; b) between ASIA/PAC and EUR should be Bangkok, Singapore and Tokyo; c) between ASIA/PAC and MID should be Mumbai, Singapore and Karachi; d) between ASIA/PAC and NAM should be Nadi, Brisbane and Tokyo; e) between ASIA/PAC and SAM should be Brisbane. 2) delete reference to Honolulu in Chart COM 1	ICAO APAC RO		Completed			Not Applicable, please refer to the latest version	
APANPIRG/11	2000	D11/17	AFS	Revision of the Subject/Tasks List of ATN Transition Task Force	That, the updated Subject/Tasks List of the ATN Transition Task Force be adopted as shown in Appendix A to the Report on Agenda Item 2.2	ICAO APAC RO	Third ATN Transition Task Force meeting held in March 2001 noted the updated Subject/Tasks List.	Completed			Group Dissolved	
APANPIRG/11	2000	C 11/18	AFS	Amendments to the Guidance Material for Ground Elements in ATN Transition	That, the updated Guidance Material for Ground Elements in ATN Transition be published as Issue 2.	ICAO APAC RO	Issue 2 of the Guidance Material was published.	Completed			Not applicable	
APANPIRG/11	2000	C 11/19	AFS	ATN Seminar	That, a) ATN Seminar be conducted by ICAO prior to the Third ATN Transition Task Force meeting in 2001; b) Invitation be extended to all the States in the ASIA/PAC region and States in the adjacent Region to attend the Seminar; and c) States, in a position to do so, provide speakers to the Seminar.	ICAO APAC RO APAC States and Administrations	The Seminar was held from 26 to 27 March 2001 and was attended by 78 participants.	Completed			Task Completed	

APANPIR G/11	2000	C 11/20	Navigation	Regional GPS Measurement Campaign	That: a) Singapore develop and coordinate a GPS measurement campaign, based on the documentation and practices reported, to determine normal and peak excursion of GPS performance; and b) States in a position to do so participate in the conduct of the measurement campaign. Noted the Conclusion with the understanding that the measurement methodology would take into account the guidance for GNSS data recording which is being finalized by the GNSS Panel.	ICAO APAC RO APAC States and Administrations	Materials were developed by Singapore and a State Letter was issued requesting States interested to participate in the campaign to provide details to Singapore directly. 6 States confirmed participation in the campaign to be conducted on 11 and 25 September 2001 using L1 and L2 and on 9 October 2001 using L1.	Completed	ANC	Task Completed	
APANPIR G/11	2000	C 11/21	Navigation	Strategy for the Provision of Precision Approach and Landing Guidance System	That, the Strategy for the Provision for the Precision Approach and Landing Guidance System provided in Appendix B to the Report of the Agenda Item 2.2 be adopted. Noted the Conclusion and requested the Secretary General to monitor related developments in other regions to ensure harmonization.	ICAO APAC RO	The strategy was brought to the attention of States.	Completed	ANC	Not Applicable, please refer to the latest version	
APANPIR G/11	2000	C 11/22	Navigation	Strategy for the Implementation of GNSS Navigation Capability in the ASIA/PAC Region	That, the Strategy for the Implementation of GNSS Navigation Capability in the ASIA/PAC Region provided in Appendix C to the Report of the Agenda Item 2.2 be adopted.	ICAO APAC RO	The strategy was brought to the attention of States for appropriate action	Completed		Not Applicable, please refer to the latest version	
APANPIR G/11	2000	C 11/23	Navigation	GNSS Implementation Workshop	That, ICAO, with the support of experts, conduct a workshop to assist States in the development and implementation of GPS procedures for en-route and non-precision approach navigation. The workshop should draw on ICAO SARPs, PANS-OPS and other publications together with the practical experience of States gained through implementation of GPS applications. Noted the Conclusion and requested the Secretary General to hold seminar workshops focusing on the development of instrument approach procedures based on GNSS in other regions.	ICAO APAC RO APAC States and Administrations	The workshop was held from 8 to 11 May 2001 and was attended by 47 participants.	Completed	ANC	Task Completed	
APANPIR G/11	2000	C 11/24	Frequency	Protection of Aeronautical Frequency Spectrum	That States, a) assign high priority to the aeronautical spectrum management; b) participate in the development of States' position for WRCs at the national level to ensure support to ICAO position; c) ensure to the extent possible aviation representatives are included in States' delegation to the APT Conference Preparatory Group meetings and at WRCs. d) designate a focal point contact person responsible for the preparation of WRC-2003 issues and provide notification of appointment to the ICAO Regional Office. Noted the Conclusion and requested the Secretary General to accord high priority to the ICAO's role in safeguarding the aeronautical interest at WRC – 2003.	ICAO APAC RO APAC States and Administrations	ICAO Preliminary views were presented at the First APT APG 2003-1 meeting held from 4-7 September 2000. Need to support ICAO position was discussed at APT/EC TPT WG, SN&C Advisory Committee meeting on 3 April 2001. ICAO's Preliminary Position was presented to the APG-2003-2 meeting held from 4-7 June 2001. Three more APG meetings are planned prior to WRC-2003. States have been requested to designate a focal point of contact to make a concerted effort to secure support for ICAO position at APT APG meetings and at WRC-2003.	Completed	ANC	In force	
APANPIR G/11	2000	D 11/34	Others	Amendments to the Title, Terms of Reference and Subject/Tasks List	That, proposed amendments to the Title, Terms of Reference and the updated Subject/Tasks List of the COM/MET/NAV/SUR Sub-Group presented in Appendix K to the Report on the Agenda Item 2.2 was adopted.	ICAO APAC RO	The CNS/MET/ SG/5 noted the changes in the Title, Terms of Reference and Subject Tasks/List.	Completed		Group Dissolved	
APANPIR G/11	2000	C 11/35	Others	Amendments to the ANP Regional Plan for the New CNS/ATM Systems	That, a) the amendments proposed in Chapter 5 & 7 and to the CNS/ATM system transition tables of the Asia/Pacific Regional Plan for the New CNS/ATM Systems be adopted and incorporated in the plan; and, b) ICAO issue a new addition of the Asia/Pacific Regional Plan for the New CNS/ATM Systems. Noted the conclusion and requested the Secretary General to transfer this information to the facilities and services implementation document as and when the material contained in the Regional Plan for CNS/ATM Systems gained maturity.	ICAO APAC RO	The Plan was updated and will be published as issue 6.	Completed	C	Not Applicable, please refer to the latest version	
APANPIR G/11	2000	C 11/36	Others	Key Priorities for CNS/ATM Implementation	That, the updated Key priorities for CNS/ATM Implementation at Appendix C to the Report on Agenda Item 3, be adopted.	ICAO APAC RO	All Sub-Groups have further updated the Key Priorities in the year 2001 meeting cycle.	Completed		Not Applicable, please refer to the latest version	
APANPIR G/11	2000	C 11/37	Others	CNS/ATM Implementation Planning Matrix	That, the Secretariat be requested to develop and maintain a matrix listing all Asia/Pacific FI and the associated status of implementation of various major CNS/ATM elements.	ICAO APAC RO APAC States and Administrations	A questionnaire was developed in consultation with IATA. State Letter was issued with this questionnaire to obtain required information. Replies from 12 States have already been received. A Matrix is being developed incorporating information provided by States.	Completed		Task Completed	

APANPIR G/11	2000	C 11/38	Others	Framework for Establishing Business Cases for the Development and Implementation of the New CNS/ATM Systems within and through the Asia/Pacific Region.	Noting that: Co-operation and agreement is required amongst all States and the aviation industry to ensure the realisation of full benefits of the CNS/ATM systems. In an effort to facilitate this it is essential that sound Business Cases, where a need is identified by the States concerned, should be developed on a traffic flow basis for the Asia/Pacific Region. Business Cases shall: a) be based on the Global Air Navigation Plan for CNS/ATM Systems, Regional Plans for CNS/ATM Systems and National Plans where appropriate; b) concentrate on international flight operations while taking into account the operational characteristics of domestic services; c) Concentrate on enhancement of safety, airspace capacity, operational efficiency and environmental benefits; and, d) Ensure harmonisation of traffic flows within the Asia/Pacific Region and the adjacent regions.	ICAO APAC RO	Conclusions 11/38, 11/39/ 11/40 & 11/41 will be the subject of a special implementation project which will be submitted to the ICAO Council for approval using established procedures.	Completed		Task Completed	
APANPIR G/11	2000	C 11/39	Others	Methodology for a Business Case Study	That, the following methodology be used in the development of a Business Case Study: a) Establish needs and extent of implementation of CNS/ATM systems by both States and users; b) Develop a plan for CNS/ATM systems implementation using a progressive, cost effective approach recognizing that co-operation between States is essential; c) Define the objectives to be obtained - financial and non-financial (operational, safety enhancement etc); d) Establish infrastructure and other costs based on the implementation plan; e) Visit, if required, and evaluate the inputs of individual States and service providers or both; f) Undertake a cost-benefit analysis including distribution of revenues & expenses; g) Develop a financial mechanism & cost recovery; h) Identify sources of financing for capital investment; and Incorporate above into a Business Plan.	ICAO APAC RO APAC States and Administrations	Conclusions 11/38, 11/39/ 11/40 & 11/41 will be the subject of a special implementation project which will be submitted to the ICAO Council for approval using established procedures.	Completed		Task Completed	
APANPIR G/11	2000	C 11/40	Others	Business Case Study Special Implementation Project	That, ICAO considers a proposal for an Asia Pacific Special Implementation Project to be established with the primary objective of developing a business case study of various options in the implementation of air navigation facilities based on CNS/ATM. Noted the conclusion and that such a project should take into consideration the ICAO guidance material on the development of business cases and that the SIP would be put forward to the Council for approval through established procedures.	ICAO APAC RO	Conclusions 11/38, 11/39/ 11/40 & 11/41 will be the subject of a special implementation project which will be submitted to the ICAO Council for approval using established procedures.	Completed	C	Task Completed	
APANPIR G/11	2000	Conclusion 11/41	Others	Provision of data	That, a) States make readily available all appropriate information/data to ICAO in order to facilitate studies on cost/benefit analysis and business cases, and b) Service Providers/Users shall co-operate fully with States in facilitating this task.	ICAO APAC RO	Conclusions 11/38, 11/39/ 11/40 & 11/41 will be the subject of a special implementation project which will be submitted to the ICAO Council for approval using established procedures.	Completed	C	Task Completed	
APANPIR G/12	2001	C 12/12		Need to monitor AFTN circuit performance	That, States concerned closely monitor performance of the following AFTN circuits and coordinate upgrading the circuits capacity, in accordance with the AFTN plan. 1. Manila/Singapore 2. *Nadi/Apia Faleolo 3. Mumbai/Colombo 4. Christchurch/Papeete 5. Mumbai/Nairobi 6. Hong Kong/Manila 7. Kuala Lumpur/Chennai 8. Colombo/Singapore 9. Tokyo/Singapore 10. Colombo/Male *the Apia Faleolo/Nadi AFTN circuit will be rerouted by Apia Faleolo/USA upon approval of the amendment proposal to ASIA/PAC ANP.	APAC States and Administrations	States are expected to complete action by the end of 2002. States concerned were requested to monitor loading condition and upgrade circuit capacity as specified in Table CNS-1A AFTN Plan. Consequently, - Manila/Singapore - upgraded to 300 baud; - Nadi/Apia - reconfigured to Apia/USA and implemented; - Mumbai/Colombo - planned for upgrading to 2400 bps in 12/02. Testing going on; - Christchurch/Papeete - upgraded to 2400 bps; - Hong Kong/Manila – upgraded to 300 baud; - Kuala Lumpur/Chennai – upgrading planned for 12/02; - Colombo/Singapore	Completed		Task Completed	

APANPIRG/12	2001	C 12/13	AFS	Regional ATN Planning Documents	That, the ASIA/PAC ATN ATS Message Handling System Plan, ATN Addressing Plan, ATN Network Service Access Point (NSAP) Address Registration Form and ATN Routing Architecture Plan be adopted and circulated to States in the ASIA/PAC and adjacent regions.	ICAO APAC RO		Completed			Task Completed	
APANPIRG/12	2001	C 12/14	AFS	ATN Transition Plan	That, the ASIA/PAC ATN Transition Plan provided in Appendix A to the report on Agenda Item 2.2 be adopted and the ASIA/PAC ATN Router Plan contained in Table CNS-IB be included in PART IV-CNS of ASIA/PAC FASID. Noted the Conclusion and requested the Secretary General to monitor related developments in other regions.	ICAO APAC RO		Completed Editorial changes were made to the plan and presented to the ATN Transition Task Force. A proposal for amendment to the FASID is being processed.	ANC		Not Applicable, please refer to the latest version	
APANPIRG/12	2001	D 12/15	AFS	Amendment of the Subject/Tasks List of the ATN Transition Task Force	That, the updated Subject/Tasks List of the ATN Transition Task Force provided in Appendix B to the report on Agenda Item 2.2 be adopted.	ICAO APAC RO		Completed The changes adopted by APANPIRG included in the Subject/Tasks List of the Task Force and presented to the Fourth Meeting of the Task Force to note and to take appropriate action.			Group Dissolved	
APANPIRG/12	2001	C 12/16	Navigation	Strategy for the Provision of Precision Approach and Landing Guidance System	That, the Strategy for the Provision of the Precision Approach and Landing Guidance System provided in Appendix C to the report on Agenda Item 2.2 be adopted.	ICAO APAC RO APAC States and Administrations		Completed The strategy was brought to the attention of States for compliance.			Not Applicable, please refer to the latest version	
APANPIRG/12	2001	C 12/17	Navigation	Strategy for the Implementation of GNSS Navigation Capability in the ASIA/PAC Region	That, the Strategy for the Implementation of GNSS in the ASIA/PAC Region provided in Appendix D to the report on Agenda Item 2.2 be adopted.	ICAO APAC RO APAC States and Administrations		Completed The strategy was brought to the attention of States for compliance.			Not Applicable, please refer to the latest version	
APANPIRG/12	2001	C 12/18	Navigation	Checklist for GNSS Implementation	That, the Checklist for introduction of GNSS based operations contained in Appendix E to the report on Agenda Item 2.2 be circulated to States in the ASIA/PAC region to serve as a guidance material. Noted the Conclusion and requested Secretary General to monitor related developments in other regions to harmonize GNSS-based operation.	ICAO APAC RO APAC States and Administrations		Completed The checklist was provided to States for their use in planning and implementing GNSS as per the strategy adopted by APANPIRG.	ANC		In force	
APANPIRG/12	2001	C 12/19	Frequency	Protection of Aeronautical Frequency Spectrum	That States: a) assign high priority to the aeronautical spectrum management; b) participate in the development of States' position for WRCs at the national level to ensure support to ICAO position; c) ensure, to the extent possible that, aviation representatives are included in States delegation to the Asia-Pacific Telecommunity (APT) Conference Preparatory Group meetings and at WRCs; and d) ensure participation of designated focal point or contact person at the Regional Preparatory Group Meeting for WRC-2003 to be held from 15 to 16 November 2001 followed by the AMCP WG-F Meeting to be held from 19-27 November 2001 in Bangkok and attendance at APTAG Meetings and WRC 2003. Noted the Conclusion and requested the Secretary General to continue to encourage States to participate at various levels in different fora to provide support for the ICAO Position at forthcoming WRC-2003	ICAO APAC RO APAC States and Administrations	ICAO Position was presented to the APT Preparatory Group Meetings for WRC-2003. The conclusion was brought to the attention of States to take appropriate action. List of CAA and APT contact points were provided to States. APT Meeting schedules were also provided to States with a request to participate at APT Meetings. ICAO Position was presented at all five APT Regional Preparatory Group meetings. WRC 2003 was concluded on 4th July 2003 with satisfactory result Outcome of WRC 2003 was reviewed by the joint meeting of the CNS/MET SG/7 and the CNS/ATM IC SG/10	Completed Completed Completed Completed	C		In force	
APANPIRG/12	2001	D 12/37	Others	Amendments to the Subject/Tasks List of the CNS/MET Sub-Group	That, the updated Subject/Tasks List of the CNS/MET Sub-Group presented in Appendix V to the report on Agenda Item 2.2 be adopted.	ICAO APAC RO		Completed The amended Tasks List was noted by the CNS/MET/SG/6.			Group Dissolved	
APANPIRG/12	2001	C 12/38	Others	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 (1572) 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.	ICAO APAC RO	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.	Close, superseded by Conclusion 14/2			Superseded	

APANPIRG/12	2001	D 12/39	Others	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) and 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.	ICAO APAC RO	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.	Close, superseded by Conclusion 14/2)		Superseded	
APANPIRG/12	2001	D 12/40	Others	Inclusion of traffic forecast tables in the Asia/Pacific Regional Plan for the New CNS/ATM Systems	That, the tables of the traffic forecast values for the nine major traffic flows across the Asia/Pacific region be included in the Asia/Pacific Regional Plan for the New CNS/ATM Systems as shown in Appendix A to the Report on Agenda Item 3. Noted the decision and that the traffic forecasts would assist States in planning future facilities and requested the Secretary General to monitor related developments in other regions to ensure a uniform approach.	ICAO APAC RO		Completed In the light of September 11 2001, further work on revised traffic forecast tables is considered necessary. Based on the availability of updated traffic statistics, the tables will be incorporated in the document.	C	Not Applicable, please refer to the latest version	
APANPIRG/12	2001	C 12/45	Others	Key Priorities for CNS/ATM Implementation.	That, the updated key priorities for CNS/ATM implementation at Appendix E to the Report on Agenda Item 3 be adopted.	ICAO APAC RO		Completed The Key Priorities for CNS/ATM Implementation were reviewed at CNS/ATM/IC/SG/9 as well as at ATS/AIS/SAR/SG/12.		Not Applicable, please refer to the latest version	
APANPIRG/12	2001	D 12/46	Others	Amendment to the Terms of Reference of the CNS/ATM/IC/SG	That, the CNS/ATM/IC/SG should continue as an active Sub-Group of APANPIRG and the revised Terms of Reference be adopted as shown in Appendix F to the report on Agenda Item 3.	ICAO APAC RO		Completed The Terms of Reference of the CNS/ATM/IC/SG were reviewed at APANPIRG/12.		Group Dissolved	
APANPIRG/13	2002	C 13/7	Frequency	Adoption of a regionally protected frequency for Traffic Information Broadcasts by Aircraft (TIBA)	That, A designated VHF radio telephony (RTF) frequency of 128.95 MHz be promulgated in the Regional Supplementary Procedures (Doc 7030) for the Asia/Pacific Region for the use of Traffic Information Broadcasts by Aircraft to permit reports and relevant supplementary information of an advisory nature to be transmitted by pilots; and, All States in the Asia/Pacific Region to include the frequency of 128.95 for the use of TIBA and their contingency plans. Noted the conclusion and requested the Secretary General to take appropriate action.	ICAO APAC RO APAC States and Administrations	The SUPPS to be amended as follows: a) Delete 128.95 as the Air-to-Air frequency and replace with 123.45 in accordance with Annex 10, and b) 128.95 to be re-assigned for TIBA procedures.	Completed Completed	ANC	Applicable	
APANPIRG/13	2002	D 13/9	Automation	ATS interfacility data communications (AIDC) Review Task Force	That, the Task Force established by Decision 5/1 of APANPIRG for the development Interface Control Document (ICD) for ATS Inter-facility Data Communication (AIDC) be reconvened to undertake the task of reviewing and updating the ICD. The task be completed prior to the ATS/AIS/SAR/SG/13 meeting in order to permit the Sub Group to review the ICD. Noted the decision and that the OPLINKP had already initiated the development of a comprehensive amendment to the PANS-ATM and the Manual of Air Traffic Services Data Link Applications (Doc 9694) concerning AIDC which would facilitate the amendment at the regional interface control document (ICD) level.	ICAO APAC RO APAC States and Administrations	a) The AIDC Review Task Force completed it's review at a meeting convened in Brisbane, Australia on 27-28 March 2003. Task Force suspended b) ICAO Headquarters is currently developing a comprehensive amendment to the PANS-ATM and the Manual of Air Traffic Services Data link Applications (Doc 9694)	Completed Completed	ANC	Not Applicable	
APANPIRG/13	2002	C13/11	AFS	Amendment to the Table CNS-1A - AFTN Plan	That, the Table CNS 1A contained in ASIA/PAC FASID be replaced with an updated Table CNS-1A provided in Appendix A to the Report on Agenda Item 2.2 in accordance with established procedure.	ICAO APAC RO	Amendment proposal APAC 02/7-COM was processed to replace the existing Table CNS-1A contained in Part IV of the ASIA/PAC FASID. Comments provided by States in response to the amendment proposal were incorporated in the Table. States were notified of the approval of the proposal in December 2002.	Completed		Not Applicable, please refer to the latest version	

APANPIRG/13	2002	C 13/12	AFS	Need to monitor AFTN circuit performance	That, States concerned closely monitor performance of the following AFTN circuits and coordinate upgrading the circuits capacity, in accordance with the AFTN plan. 1. Colombo/Male 2. Colombo/Singapore 3. Mumbai/Colombo 4. Mumbai/Nairobi 5. Kuala Lumpur/Chennai 6. Tokyo/Singapore 7. Tokyo/Moscow	ICAO APAC RO APAC States and Administrations	States concerned were requested to monitor loading condition and upgrade circuit capacity as specified in Table CNS-1A AFTN Plan. Consequently, - Colombo/Male – upgrading planned for 12/03 - Colombo/Singapore – upgraded to 9600bps 12May03 - Mumbai/Colombo – upgraded to 64 kbps 19Mar.03 -Mumbai/Nairobi – India is ready to upgrade. International coordination is being under taken. - Kuala Lumpur/Chennai – upgraded to 9600 bps in April 03. - Tokyo/Singapore – upgraded to 9600bps 15Jan03; - Tokyo/Moscow – States closely monitoring circuit loading. Coordination being carried out between States concerned for upgrading the circuit.		Closed (Superseded by amendment to FASID Table CNS 1A)		Superseded	
APANPIRG/13	2002	C13/13	AFS	Use of VSAT Technology for AFS	That, States in the Bay of Bengal area, implement AFS circuits using VSAT technology as a matter of high priority to enhance safety and efficiency of aircraft operations and to meet AFS communication requirements for data/voice communications.	APAC States and Administrations			Completed The Conclusion was presented to States concerned at COM Coordination meeting for Bay of Bengal area. VSAT technology is being used by several States and between States concerned. Regulatory restriction is still a problem for a State to use VSAT to provide AFS communications.		In force	11/15
APANPIRG/13	2002	C 13/14	AFS	ATN Documentation Tree	That, the ATN Planning Document be published in a loose-leaf form to include future amendments to the Document; and the ATN Documentation Tree provided in Appendix B to the report on Agenda Item 2.2 be adopted and included in the ATN Planning Document.	ICAO APAC RO APAC States and Administrations	Documentation tree was further updated by the Fifth ATN Transition Task Force meeting held in June 2003. It will be included in the ATN Planning Document in accordance with Conclusion 14/13 of APANPIRG/14 Documentation tree further updated by the Sixth ATN Transition Task Force meeting held in April 2004 and posted on the ICAO APAC web site as a part of the ATN planning document.		Completed		Not Applicable, please refer to the latest version	
APANPIRG/13	2002	C 13/15	AFS	ASIA/PAC Interface Control Document (ICD) for ATS Message Handling System (AMHS)	That, the ASIA/PAC ICD for AMHS be adopted and published as Issue 1.	ICAO APAC RO			Completed AMHS ICD has been published.		Not Applicable, please refer to the latest version	
APANPIRG/13	2002	C 13/16	AFS	Checklist for Implementation of Ground to Ground ATN Infrastructure	That, the Checklist provided in Appendix C to the report on Agenda Item 2.2 be adopted and circulated to States to assist in implementation of the Ground-to-Ground ATN infrastructure.	ICAO APAC RO			Completed The Checklist was circulated to States.		Task Completed	
APANPIRG/13	2002	D 13/17	AFS	Revision of the Subject/Tasks List of the ATN Transition Task Force	That, the updated Subject/Tasks List of the ATN Transition Task Force provided in the Appendix D to the report on Agenda Item 2.2 be adopted.	ICAO APAC RO			Completed The updated Subject/Tasks List was presented to ATNTTF/5 which was held 9-13 June 03.		Group Dissolved	
APANPIRG/13	2002	C 13/18	Navigation	Revision of the Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the Asia/Pacific Region	That, the updated Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the ASIA/PAC region provided in Appendices E and F respectively, to the report on Agenda Item 2.2 be adopted and provided to States.	ICAO APAC RO			Completed The updated Strategies were provided to the States as part of the APANPIRG report. No substantial changes were made to the Strategies which was adopted by APANPIRG/12.		Not Applicable, please refer to the latest version	

APANPIRG/13	2002	C 13/19	Surveillance	ADS-B Implementation Task Force	Study and That, a) a multidisciplinary Task Force be established consisting of members from Australia, China, Hong Kong China, Fiji, India, Japan, Mongolia, Singapore, United States, IATA, IFALPA, IFATCA and SITA with the Term of Reference provided in Appendix G to the report on Agenda Item 2.2; and the result of the study to be presented to APANPIRG/14 meeting in 2003. Noted the conclusion and requested the Secretary General to monitor task force developments and encourage States to participate in studies to select an ADS-B link, taking into account cost/benefit analyses.	ICAO APAC RO APAC States and Administrations	The Task Force meeting was held in Brisbane, Australia 24-26 March 2003. The result of the meeting was represented to the ATS/AIS/SAR SG/13 held in Bangkok 23-27 June 03 as well as CNS/MET SG/7 and CNS/ATM/IC SG/10 meetings. The result of the study is presented to APANPIRG/14 through the report of CNS/MET/SG/7 and CNS/ATM/IC SG/10.	Completed			Group Dissolved	
APANPIRG/13	2002	C 13/20	Surveillance	24 bit aircraft address	That, a) the ICAO issue a State Letter reminding States of the requirement to maintain aircraft address allocations in accordance with provisions laid down in Annex 10, Volume III and provide 24bit address allocation procedure; b) Japan be encouraged to undertake additional monitoring in the twelve-month period after the issue of State letter to observe changes in the level of compliance; and c) the need to enforce the procedure a working paper be presented to the 39th DGCA Conference.	ICAO APAC RO APAC States and Administrations	State Letter AP-CNS0105 was issued on 8 May 2003. Procedures to be followed for allocation of 24 bit address were provided to States. Japan continued to monitor the use of 24 bit address and reported findings to the CNS/MET SG/7 and CNS/ATM/IC SG/10 meeting. A working paper outlining detailed procedure was presented to the 39th DGCA Conference. Follow up action was agreed by 39th DGCA Conference.	Completed			Task Completed	
APANPIRG/13	2002	C 13/21	Frequency	Preparation for World Radiocommunication Conference – 2003 (WRC 2003)	That States, a) assign high priority to the aeronautical spectrum management; b) participate in the development of States' position for WRCs at the national level to ensure support to ICAO position; c) ensure, to the extent possible, aviation representatives are included in States delegation to the Asia-Pacific Telecommunity (APT) Conference Preparatory Group meetings and at WRC-2003; and d) ICAO convene a meeting of designated contact persons before the end of 2002 or early 2003 to review the result of the fourth APT Preparatory Group meeting and to finalize input to the fifth and the last APT Preparatory Group meeting for WRC 2003. e) publish the list of contact persons at the ICAO APAC webpage.	ICAO APAC RO APAC States and Administrations	States have assigned high priority to the spectrum management; Aviation administrations actively participated in the development of States' position; c) Many aviation administrations included their representatives in their national delegations at the APT APG meetings and at WRC2003. d) The Second Regional Preparatory Group Meeting for ITU World Radiocommunication Conference – 2003 (WRC-2003) was held in Bangkok, Thailand from 8 – 10 January 2003. e) A list of designated contact persons in each administration is posted in at the ICAO APAC webpage.	Completed			Task Completed	
APANPIRG/13	2002	C 13/22	AFS	ATN related procedures for Basic ANP and FASID	That, the amendments proposed to the regional procedures contained in the Part IV-CNS of the ASIA/PAC Basic ANP and FASID relating to ATN materials provided in Appendix H and Appendix I, respectively to be report on Agenda Item 2.2 be adopted and incorporated in the respective documents in accordance with the established procedure.	ICAO APAC RO		Completed The amendment proposal APAC 03/8 –CNS was processed in June 2003.			Not Applicable, please refer to the latest version	Updated from 6/37
APANPIRG/13	2002	C 13/23	Others	Process of review and Notification of difference	That, States establish a procedure with assistance of a database for review of SARPs and notification of differences to Annexes in a timely and comprehensive manner.	ICAO APAC RO APAC States and Administrations	A possibility of conducting a special implementation programme (SIP) is being explored. SIP on the subject approved by the Council and was conducted by the end of 2004.	Completed			In force	
APANPIRG/13	2002	C 13/35	Others	Amendment to the Statement of BORPC	That, ICAO is invited to consider amendment to the MET part of the Statement of BORPC, as shown in Appendix A to the Report on Agenda Item 2.4	ICAO APAC RO	The task of revising the BORPC will be initiated immediately after the 11th Air Navigation Conference in October 2003 during which the ATM operational concept will be considered. Task is being carried out by the ICAO HQs	Completed On-going		ANC	Not Applicable, please refer to the latest version	
APANPIRG/13	2002	C 13/39	Others	Asia/Pacific Regional Plan for the New CNS/ATM Systems	That, the updated Asia/Pacific Regional Plan for the New CNS/ATM Systems be adopted and circulated for use by States and International Organizations.	ICAO APAC RO APAC States and Administrations		Completed The revised Plan has been circulated to States and International organizations			Not Applicable, please refer to the latest version	
APANPIRG/13	2002	C 13/40	Navigation	Selection of GPS receiver standard for GNSS implementation	That States, a) should give consideration for future GNSS operational approvals and associated operational implementation based on the TSO C145/146 receiver standard; and b) use of TSO C129 remains a valid standard but should not be considered as the basis for future implementation of GNSS.	ICAO APAC RO APAC States and Administrations	The Conclusion was brought to the attention of States. States notified	Completed			Task Completed	

APANPIRG/13	2002	C 13/41	Surveillance	Inclusion of ADS-B on the list of Key Priorities of the CNS/ATM Implementation in the Asia/Pacific Region	That, a task on ADS-B be included on the list of Key Priorities of the CNS/ATM Implementation in the Asia/Pacific Region.	ICAO APAC RO			Completed ADS-B included in the List of Key Priorities.		Not Applicable, please refer to the latest version	
APANPIRG/14	2003	C14/2	Others	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 Asia/Pacific Navigation Commission, a Task Force be established to revise the <i>Guidance Material on CNS/ATM Operations in the Asia/Pacific Region</i> , in coordination with States responsible for the Pacific Operations Manual (POM) with the intent of harmonizing both documents.	ICAO APAC RO ICAO HQ	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		Task Completed	Updated from 7/1, 8/11, 9/11, 11/4, 12/38, 12/39
APANPIRG/14	2003	C 14/6	Others	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.	APAC States and Administrations	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		Completed		In force	Replaced 11/6
APANPIRG/14	2003	C. 14/12	AFS	ASIA/PAC Interface Control Document (ICD) for ATN Router	That, the ASIA/PAC regional ICD for ATN Router be adopted and published.	ICAO APAC RO			Completed Published in the website and States notified.	-	Task Completed	
APANPIRG/14	2003	C.14/13	AFS	ATN Documentation Tree	That, the updated ATN Documentation Tree be included in the Second Edition of the ATN Planning and Technical Document and forwarded to States.	ICAO APAC RO			Completed Included in the Second Edition of ATN Planning Document and published and States notified.		Task Completed	
APANPIRG/14	2003	C.14/14	AFS	ASIA/PAC ATN Inter Domain Routing Policy (IDRP)	That, the ASIA/PAC ATN Inter Domain Routing Policy (IDRP) be adopted and distributed to States.	ICAO APAC RO			Completed Published in the website and States notified.	-	Not Applicable, please refer to the latest version	
APANPIRG/14	2003	C.14/15	AFS	Use of Public Internet to support AFTN	That, the guidance material for the use of Public Internet to support low speed AFTN circuits be adopted and circulated for States for use as an interim means pending the outcome of the result of Aviation Use of Public Internet Study Group.	ICAO APAC RO			Completed Provided to the Study Group; Published in the website and State notified.	-	In force	
APANPIRG/14	2003	C.14/16	AFS	Revision of the Subject/Tasks List of the ATN Transition Task Force	That, the updated Subject/Tasks List of the ATN Transition Task Force provided in Appendix A be adopted.	ICAO APAC RO			Completed Task Force noted the changes made.	-	Group Dissolved	
APANPIRG/14	2003	C. 14/17	AFS	Use of SATCOM voice for ATS	That, a) SATCOM voice be used in compliance with existing SARPs; and b) ICAO develop a global policy for the use of SATCOM voice for ATS function. Noted the Conclusion and relevant provisions in Annex 10, and requested the Secretary General to consider developing, if necessary, additional procedures to address the use of SATCOM-voice for ATS.	ICAO APAC RO APAC States and Administrations	The task has been assigned to ACP. ACP is looking for more details about the problem statement. State concerned has been advised to furnish details.		Closed (Task being undertaken by concerned ICAO Panels.)	ANC	Undertaken by ICAO Panels	
APANPIRG/14	2003	C.14/18	AFS	Inclusion of Seoul in MWARNCA-3	That, the ASIA/PAC FASID be amended in accordance with the established procedure to specify requirement for an aeronautical station in Seoul to provide HF air-ground communication in the MWARNCA-3 Network.	ICAO APAC RO APAC States and Administrations	- A proposal for amendment to the Table CNS-2 of FASID was processed. - States notified of the adoption of the proposal.		Completed	-	Not Applicable, please refer to the latest version	
APANPIRG/14	2003	C.14/19	Navigation	Updated Revision of the Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the ASIA/PAC region	That, the updated Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the ASIA/PAC region provided in Appendices B and C respectively, to the report on Agenda Item 2.2 be adopted and provided to States.	ICAO APAC RO			Completed The updated strategies were published in the website and States notified.	-	Not Applicable, please refer to the latest version	

APANPIR G/14	2003	C. 14/20	Surveillance	Near term ADS-B data link selection	That, Mode S Extended Squitter (1090 ES) be used as the data link for ADS-B radar like services in the ASIA/PAC region in the near term.	ICAO APAC RO ICAO HQ		Completed Task Force is proceeding with the development of implementation plan based on 1090 ES as data link. AN-Conf/11 also endorsed this link for near-term use.	-	In force	
APANPIR G/14	2003	C.14/21	Surveillance	Target date of ADS-B Implementation	That States, where necessary to do so, be encouraged to implement "ADS-B out" for ground-based surveillance services in ASIA/PAC Region on a sub-region by sub-region basis with a target date of January 2006.	ICAO APAC RO APAC States and Administrations	States that have plans for implementation of ADS-B airground surveillance service established the target date in the FASID Table CNS-4.	Completed	-	Task Completed	
APANPIR G/14	2003	C.14/22	Surveillance	Needs for development of ICAO SARPs for ADS-B	That, in view of the progress made by States with operational trials for the implementation of ADS-B, ICAO be requested to give priority to: a) the inclusion of positional source data accuracy and integrity requirements for ADS-B services in the appropriate standards; and development of separation standards for ADS-B surveillance. Noted the Conclusion and requested the Secretary General to consider including source data accuracy and integrity requirements in ADS-B standards and also develop separation standards for ADS-B surveillance.	ICAO APAC RO ICAO HQ	ICAO HQ requested to take appropriate action with respect to the global provisions. The Surveillance and Conflict Resolution System Panel (SCRSP) and Separation Panel (SASP) are expected to take appropriate actions.	Closed (Task being undertaken by concerned ICAO Panels)	ANC	Undertaken by ICAO Panels	
APANPIR G/14	2003	D. 14/23	Surveillance	Revision of the Terms of Reference of ADS-B Study and Implementation Task Force	That, the new Terms of Reference of the ADS-B Study and Implementation Task Force be adopted as shown in Appendix D.	ICAO APAC RO		Completed Task Force noted the revised TOR.	-	Group Dissolved	
APANPIR G/14	2003	C. 14/24	Frequency	Preparation for World Radio Communication Conference 2007 (WRC-2007)	That, States, a) assign high priority to aeronautical spectrum management; b) participate in the development of States' position for WRCs at the national level to ensure support to the ICAO position; c) ensure, to the extent possible that, aviation representatives are included in States delegations to the Asia-Pacific Telecommunity (APT) Conference Preparatory Group) meetings and at WRCs; d) to nominate an ICAO designated focal point or contact person for aviation issues related the WRC-07; and e) ensure participation of the designated focal point or contact person at the ICAO Regional Preparatory Group Meetings for WRC-07, APT Conference Preparatory Group Meetings for WRC-07, and at WRC-2007. Noted the Conclusion and requested the Secretary General to continue encouraging the States to participate at various levels in different fora to provide support for the ICAO position at the forthcoming WRC-2007 so as to protect aeronautical frequency spectrum.	ICAO APAC RO APAC States and Administrations	States support ICAO Position on WRC 2007 Agenda Items to protect aeronautical spectrum	Completed (Most of ICAO position supported by Preliminary APT Common Proposals (PACP). States urged to project ICAO Position.)	ANC	Task Completed	
APANPIR G/14	2003	C. 14/43	Others	Update Subject/Tasks List of the CNS/MET Sub-Group	That, the updated Subject/Tasks List of the CNS/MET Sub-Group presented in Appendix L be adopted.	ICAO APAC RO		Completed Brought to the attention of the Sub-Group.	-	Group Dissolved	
APANPIR G/14	2003	D. 14/46	Others	Amendment to the key priorities for implementation of the CNS/ATM systems for the ASIA/PAC Region	That, the amended list of Key Priorities for implementation of the CNS/ATM systems for the ASIA/PAC Region provided in Appendix B to the Report on Agenda Item 3 be adopted.	ICAO APAC RO		Completed Brought to the attention of the Sub-Group.	-	Not Applicable, please refer to the latest version	
APANPIR G/15	2004	C 15/11	AFS	Use of X.25 protocol	That, States continue using X.25 as recommended protocol to support implementation of ATN ground infrastructure in the short to medium term (5-10 years) and consider acquisition of sufficient spares for the service life of the equipment. States not implementing X.25 consider the use of emerging replacement technology.	ICAO APAC RO APAC States and Administrations		Completed States notified for implementation		Not applicable	
APANPIR G/15	2004	C 15/12	AFS	Development of AMHS Addressing Scheme and PRMD value for Asia/Pacific region	That, i) Hong Kong, China be requested to develop a comprehensive draft of the AMHS Addressing Scheme and PRMD value for each State in the Asia/Pacific region with options of both XF and CAAS address and present it to the ATN Transition Task Force Working Group Meeting in September for review and comments; and ii) ICAO be requested to circulate the addressing scheme to States for consideration.	ICAO APAC RO APAC States and Administrations		Completed Completed Addressing Scheme was presented at the ATN Transition Task Force/7 Meeting. The addressing scheme was further updated and presented to the ATN/TF/7. Draft Conclusion 7/11 of the Task Force addresses this issue		Task Completed	
APANPIR G/15	2004	C 15/13	AFS	AMHS Naming Registration Form	That, a) the AMHS Naming Registration Form be reviewed and refined by the ATN Transition Task Force based on the result of trial operation; and b) ICAO be requested to circulate the form to Asia/Pacific States.	ICAO APAC RO APAC States and Administrations		Completed Action completed by ATN Transition Task Force/7 Meeting and Draft Conclusion 7/12 of the Task Force addresses this issue.		Not Applicable, please refer to the latest version	

APANPIRG/15	2004	C 15/14	AFS	Use of AMHS over TCP/IP in the Asia/Pacific region	That, Administrations within the Asia/Pacific region willing to pursue the implementation of the TCP/IP subnet as part of ATN may do so on a bilateral basis on the understanding that they may be required to make changes to their subnet if and when the TCP/IP is developed as a part of the ATN SARPS. Noted the conclusion and requested ACP to take relevant regional implementation activities into account in its current work on the subject, the outcome of which is expected by middle 2005.	ICAO APAC RO APAC States and Administrations		Completed States were made aware of it.	ANC	Not applicable	
APANPIRG/15	2004	(para. 2.2.47)	AFS	Development of a regional strategy for implementation of an AMS ground data link in the ASIA-PAC Regions.	The CNS/MET Sub-group considered it necessary to develop a corresponding strategy for the selection and implementation of an AMS communications data link. It was noted that a Task Force was established by the Sub-group to conduct appropriate consultations, identify factual information and to develop a regional strategy for implementation of AMS data link in the Asia/Pacific region and would present its result to the ninth meeting of the CNS/MET Sub-group in July 2005 Noted the paragraph and that the strategy is expected to be developed by July 2005 and called upon the Secretary General to monitor its progress.	ICAO APAC RO		Completed Strategy was developed by the Task Force and presented to the CNS/MET SG/9 for endorsement.	ANC	Task Completed	
APANPIRG/15	2004	(para. 2.2.87)	Frequency	Preparation for World Radiocommunication Conference – 2007 (WRC-2007)	Noted the paragraph and requested the Secretary General to continue encouraging the States to participate at various levels in different fora to provide support for the ICAO position at the forthcoming WRC-2007 so as to protect aeronautical frequency spectrum.	ICAO APAC RO	First RPG Meeting was held in February 2005. Preliminary ICAO Position for WRC-2007 was presented at APG 2007/2 Meeting in February 2005. The second RPG meeting is scheduled to be held in early 2007.	COMPLETED	C	Task Completed	
APANPIRG/15	2004	C 15/15	AFS	Asia/Pacific regional ATN Implementation System Management Operational	That, the Asia/Pacific regional ATN Implementation System Management Operational Procedures be published to assist States in implementation of the ATN ground infrastructure in the Asia/Pacific region.	ICAO APAC RO APAC States and Administrations	Considered premature due to lack of experience in operational aspect to develop a manual procedure. This task can be addressed only after gaining sufficient operational experience of AMHS. Asia/Pacific Regional ATN Implementation System Management Operational Procedures containing initial direction and guidance was published in August 2004.	COMPLETED The basic guidance material on procedures was developed in 2004. Further updates are expected by ATN/ICG based on sufficient experience gained in 2009. Updated guidance material has been developed by the ATN/ICG/4 meeting for consideration by APANPIRG through CNS/MET SG..		Task Completed	
APANPIRG/15	2004	C 15/16	Automation	Table CNS-1D - AIDC	That, a) ICAO be requested to circulate Table CNS-1D provided in Appendix A to the Report on Agenda Item 2.2 to Asia/Pacific States to specify operational requirements for AIDC; and b) provide results to the next meeting of the ATN Transition Task Force for appropriate action.	ICAO APAC RO	Circulated Result provided to the Task Force.	Completed		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	C 15/17	AFS	Amendment Table CNS-1C – ATSMHS Implementation Plan	That, the sample Table CNS-1C – ATSMHS Implementation Plan provided in ASIA/PAC FASID, Part IV CNS be replaced with the Table CNS-1C shown in Appendix B to the Report on Agenda Item 2.2 through the established procedure.	ICAO APAC RO APAC States and Administrations	circulated to States States notified of approval.	Completed Amendment proposal circulated to States. States notified of approval.		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	C 15/18	AFS	Amendment to Table CNS-1B – ATN Router Plan	That, the existing Table CNS-1B provided in ASIA/PAC FASID, Part IV CNS be replaced with an updated Table contained in Appendix C to the Report on Agenda Item 2.2.	ICAO APAC RO APAC States and Administrations	circulated to States States notified of approval.	Completed Amendment proposal circulated. States notified of approval.		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	C 15/19	AFS	Amendment of the Table CNS-1A – AFTN Plan	That, the Table CNS-1A – AFTN Plan and Chart CNS-1 reflected in Part IV CNS of the ASIA/PAC FASID be replaced with an updated Plan provided in Appendix D to the Report on Agenda Item 2.2. in accordance with established procedure.	ICAO APAC RO APAC States and Administrations	circulated to States States notified of approval.	Completed Amendment proposal circulated. States notified of approval.		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	C 15/20	AFS	Procedure for calculation of AFTN circuit loading statistics	That, the guidelines for calculation of AFTN circuit loading statistics contained in Attachment A to ASIA/PAC FASID Part IV CNS be amended to add the maximum number of bytes transmitted/received on 9600 bps and 64 Kbps, X.25, AFTN circuits.	ICAO APAC RO APAC States and Administrations	circulated to States States notified of approval.	Completed Amendment proposal circulated to States. States notified of approval.		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	D 15/21	AFS	Subject/Tasks List of the ATN Transition Task Force	That, the updated Subject/Tasks List of the ATN Transition Task Force provided in Appendix E to the Report on Agenda Item 2.2 be adopted.	ICAO APAC RO APAC States and Administrations		Completed Task Force notified of the approval of the Tasks List.		Group Dissolved	
APANPIRG/15	2004	D 15/22	AFS	Assignment of new tasks	That, the ATN Transition Task Force be tasked to: i) develop ATN/AMHS performance characteristics as soon as possible to meet the target date of implementation of 2005; and ii) establish a sunset date for AFTN service to be reflected in Part IV of the ASIA/PAC FASID.	ICAO APAC RO	The ATN ICG/1 in following up the Decision 7/18 the ATN/TF/7 has tasked its WG to review and consider development of a single document.	Closed.		Group Dissolved	

APANPIRG/15	2004	C 15/23	Navigation	Revision of the Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the Asia/Pacific region	That, the updated Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the Asia/Pacific region provided in Appendices F and G respectively, to the Report on Agenda Item 2.2 be adopted.	ICAO APAC RO		Completed Strategy adopted and posted.		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	C 15/24	Others	Revision of FASID Table CNS-3 by States	That, States review and revise FASID Table CNS-3 to reflect comprehensive descriptions of the future provision of radio navigation aids and that the revised entries be provided to the Regional Office by the end of May 2005.	ICAO APAC RO APAC States and Administrations	Response received from States is consolidated and presented to the meeting for review. review and update the Table CNS-3.	Completed States were requested to review and update the Table CNS-3. Response received from States is consolidated and presented to the meeting for review.		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	C 15/25	Surveillance	Airlines plan for the deployment of ADS-B	That, IATA be requested to conduct a survey of its member airlines' plan for the deployment of ADS-B in the Asia/Pacific region and provide result to the ADS-B Task Force Working Group to be held on 14-15 October 2004.	IATA APAC States and Administrations	survey of its member airlines' plan for the deployment of ADS-B in the Asia/Pacific region and provide result to the ADS-B Task Force	Completed IATA provided information to the Task Force		Task Completed	
APANPIRG/15	2004	C 15/26	Surveillance	Exchange of ADS-B surveillance data with neighbours	That, States be encouraged to share ADS-B surveillance data with neighbouring States and to develop mechanisms to achieve this as ADS-B ground infrastructure requirements are being identified during the design phase.	APAC States and Administrations		Completed States were made aware of the need to exchange ADS-B data and are expected to consider data exchanges upon implementation of ADS-B.		In force	
APANPIRG/15	2004	D 15/27	Surveillance	Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the Subject/Tasks List of the ADS-B Study and Implementation Task Force provided in Appendix H to the Report on Agenda Item 2.2 be adopted.	ICAO APAC RO		Completed. The updated Task List was brought to the attention of the Third meeting of the ADS-B Study and implementation Task Force.		Group Dissolved	
APANPIRG/15	2004	D 15/44	Others	Updated Subject/Tasks List of the CNS/MET Sub-group	That, the updated Subject/Tasks List of the CNS/MET Sub-group presented in Appendix K to the Report on Agenda Item 2.2 be adopted.	ICAO APAC RO		Completed Subject/Tasks List updated.		Group Dissolved	
APANPIRG/15	2004	D15/49	Others	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: review key priorities for implementation of CNS/ATM systems for the Asia/PAC region, identify new items as required and monitor implementation; and make recommendation aimed at improving ATM and CNS support for Terminal Area and Airport Operations, respectively.	ICAO APAC RO		Completed Included on ATM/AIS/SAR Sub-Group and CNS/MET Sub-Group Task Lists, reviewed by the Sub-Groups.		Group Dissolved	Updated from 9/40, 10/32, 11/36, 12/45, 13/41, 14/46
APANPIRG/15	2004	D15/50	Others	Dissolution of the CNS/ATM Implementation Coordination Sub-Group	That, in consideration of optimizing the effectiveness and efficiency of the contributory body of APANPIRG and in accordance with the provisions of the APANPIRG Procedural Handbook, the CNS/ATM/IC/SG be dissolved	ICAO APAC RO		Completed ICAO Regional Office advised all parties concerned		Group Dissolved	
APANPIRG/15	2004	D15/52	Others	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.	ICAO APAC RO		Completed ATM/AIS/SAR/SG/15 and CNS/MET/SG/9, developed Key Priority List related to their activities		Not Applicable, please refer to the latest version	
APANPIRG/15	2004	D15/53	Others	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. Noted the decision and requested the Secretary General to: include the task of development of simplified tools and associated guidance for estimating environmental benefits of CNS/ATM systems at the national level in CAEP's work programme; and inform CAEP that it could enlist the support of APANPIRG in carrying out this task.	ICAO APAC RO APAC States and Administrations		Closed ARNR/TF developed simplified tool and applied it where possible, incorporated analysis of environmental benefits in the Asia Pacific ATS Route Catalogue		Closed	
APANPIRG/16	2005	C 16/24	AFS	ATN Documents	That, the following ATN documents be adopted and published in the ICAO web site under CNS Documents: 1) ASIA/PAC System Integrity Policy 2) ASIA/PAC System Management Policy 3) Communication Performance Document 4) First edition of ASIA/PAC ICD for ISO/IEC 8208 5) Second edition of ASIA/PAC ICD for ATN ground-to-ground Router Internet Communication Service (ICS) 6) ASIA/PAC technical document on the use of ATN Directory Service and 7) AMHS/MTA Routing Policy	ICAO APAC RO		Completed The documents were published in the APAC website and States were advised accordingly.	ANC	Noted the conclusions and requested the Secretary General to monitor related developments in other regions	
APANPIRG/16	2005	C 16/25	AFS	ASIA/PAC AMHS Naming Plan	That, 1) the updated ASIA/PAC AMHS Naming Plan provided in Appendix A to the Report on Agenda Item 2.2 be adopted; and 2) ICAO issue a State letter requesting States to reconsider and adopt the proposed AMHS Address Scheme and PRMD name values described in the Plan.	ICAO APAC RO	State Letter	Completed A State Letter was issued requesting States to review the AMHS Address Scheme and PRMD name values as described in the AMHS naming Plan.	ANC	Noted the conclusions and requested the Secretary General to monitor related developments in other regions	Not Applicable, please refer to the latest version

APANPIR G/16	2005	C 16/26	AFS	ASIA/PAC AMHS Naming Registration Table and Contact List	That, a) the Table for registering AMHS MTA/UA and a Contact List for use in the Asia/Pacific Region provided in Appendix B to the Report on Agenda Item 2.2 be adopted; and b) the registration Table be circulated to States by ICAO with a request to commence the registration process.	ICAO APAC RO	State Letter		Completed A State letter was issued and the adopted registration Table and a sample List of Contact addresses were forwarded to States concerned	ANC Noted the conclusions and requested the Secretary General to monitor related developments in other regions	Not Applicable, please refer to the latest version	
APANPIR G/16	2005	C 16/27	Automatio n	Amendment to the ASIA/ PAC CNS FASID Table CNS-1D- AIDC	That, the Table CNS-1D-ATS Inter-facility Data Communication (AIDC) Plan reflected in Part IV CNS of the ASIA/PAC FASID be amended by replacing the existing Table CNS-1D with an updated Table in accordance with established procedure.	ICAO APAC RO			Completed Amendment proposal APAC 05/27 was processed. States were notified of approval on 24 February 2006. The amendment will be incorporated in the next consolidated amendment to be issued to ASIA/PAC FASID.	-	Not applicable	
APANPIR G/16	2005	C 16/28	AFS	AFTN performance reports	That, States operating AFTN circuits; a) may discontinue the practice of exchanging AFTN circuit performance charts, transit time statistics and circuit loading statistics where performance requirements are satisfied consistently; and b) exchange circuit loading statistics only for those circuits where occupancy level exceed permissible levels specified in the Manual on Planning and Engineering of AFTN, Doc 8259	ICAO APAC RO	State Letter		Completed State Letter was issued advising States to take action in accordance with the Conclusion.	-	In force	
APANPIR G/16	2005	C 16/29	AFS	Strategy for implementation of ATN in the Asia/Pacific Region	That, the Strategy for Implementation of ATN in the Asia/Pacific Region provided in Appendix C to the Report on Agenda Item 2.2 be adopted and States be notified.	ICAO APAC RO	Publish on web site		Completed Posted in the website and States advised accordingly.	ANC Noted the conclusions and requested the Secretary General to monitor related developments in other regions	Not Applicable, please refer to the latest version	
APANPIR G/16	2005	D 16/30	AFS	Dissolution of the ATN Transition Task Force	That, the ATN Transition Task Force be dissolved as it has completed major tasks and the residual work would be absorbed by the proposed ATN Implementation Co-ordination Group.	ICAO APAC RO			Completed The ATN Transition Task Force was dissolved and the First meeting of the ATN Implementation Coordination Group noted the Decision.	-	Group Dissolved	
APANPIR G/16	2005	DC 16/31	AFS	Establishment of an ATN Implementation Co-ordination Group	That, an ATN Implementation Co-ordination Group be established composed of membership of the ATN Transition Task Force and any other State or organization willing to contribute to the activities of the Group with the Terms of Reference and Tasks List provided in Appendix D to the Report on Agenda Item 2.2.	ICAO APAC RO			Completed The first meeting of the ATN Implementation coordination Group was held in Seoul from 22 to 26 May 2006.	-	Group Dissolved	
APANPIR G/16	2005	C 16/32	Frequency	Strategy for implementation of the air-ground data link in the Asia/Pacific region	That, the Strategy for implementation of the air-ground data link in the Asia/Pacific Region provided in the Appendix E to the Report on Agenda Item 2.2 be adopted and Asia/Pacific States be informed.	ICAO APAC RO	Publish on web site		Completed Posted in the website and States advised accordingly.	-	Not Applicable, please refer to the latest version	
APANPIR G/16	2005	C 16/33	Navigation	Revision of the Strategy for the implementation of GNSS Navigation Capability in the Asia/Pacific Region	That, the updated Strategy for the Implementation of GNSS Navigation Capability in the Asia/Pacific region provided in Appendix F to the Report on Agenda Item 2.2 be adopted and provided to States.	ICAO APAC RO	Publish on web site		Completed Posted in the website and States advised accordingly.	-	Not Applicable, please refer to the latest version	
APANPIR G/16	2005	C 16/34	Navigation	Amendment Table CNS-3 - Radio Navigation Aids	That, the Table CNS-3, Radio Navigation Aids, provided in ASIA/PAC FASID, Part IV CNS be replaced with the updated Table CNS-3 in accordance with the established procedure.	ICAO APAC RO	The Amendment proposal APAC 05/26 CNS was circulated to States on 16 November 2005. Subsequently States were notified of the approval of the proposal on 17 April 2006. The amendment will be incorporated in the next consolidated amendment to be issued to the ASIA/PAC FASID		Completed	-	Not Applicable, please refer to the latest version	
APANPIR G/16	2005	C 16/35	Surveillanc e	ADS-B Data Exchange format	That, 1) the Eurocontrol Cat 21 version 0.23 or later message format be adopted for ADS-B data exchange in the Asia/Pacific Region. 2) ICAO be requested to seek agreement from Eurocontrol to use the Eurocontrol Asterix C 21 document in the Asia/Pacific Region as was done for radar data exchange in the region.	ICAO APAC RO			Completed Coordination was carried out with EUROCONTROL. States were informed accordingly	ANC Noted the conclusion and called upon the Secretary General to a) seek agreement from EUROCONTROL for use of ASTERIX Cat I version 0.23 or later message format for ADS-B data exchange in the Asia/Pacific Region as well as other regions; and b) through all ICAO Regional Offices, stress the need for a uniform format of surveillance data exchange between different regions.	In force	

APANPIRG/16	2005	C16/36	Surveillance	ADS-B Implementation and Operational Guidance Document (AIGD)	That, the ADS-B Implementation and Operational Guidance Document as provided in Appendix G to the Report on Agenda Item 2.2 be adopted and circulated to States in the Asia/Pacific Region and International Organizations.	ICAO APAC RO	State Letter publish on the website		Completed State Letter Ref: T8/9.1:AP-0053/06 (CNS) transmitted, the AIGD was published on the website.		Not Applicable, please refer to the latest version	
APANPIRG/16	2005	Paragraph 2.2.108	Frequency	Preparatory group meeting for WRC-2007	The regional preparatory activities undertaken by the APT including its organization for the preparatory work for WRC 2007 was noted. APT had planned to convene five APG meeting for WRC-2007. ICAO participated at the first meeting (APG2007-1) held in Bangkok from 11 to 12 November 2003. ICAO presented an information paper on the draft ICAO Position for WRC 2007 at the second meeting (APG2007-2) held in Bangkok from 28 February to 3 March 2005. The third meeting (APG 2007-3) was held in February 2006 in Malaysia. The meeting updated APT provisional views and draft proposals on WRC-2007 agenda items.	ICAO APAC RO APAC States and Administrations		Completed Meetings attended.	C <i>Noted the paragraph and requested the Secretary General to continue encouraging States to participate at various levels in different fora to provide support for the ICAO position at the forthcoming WRC-2007.</i>	Task Completed		
APANPIRG/16	2005	C 16/37	Surveillance	Amendment to Table CNS-4-Surveillance System	That, the existing Table CNS-4 – Surveillance System provided in ASIA/PAC FASID, Part IV CNS be replaced with an updated Table in accordance with established procedure.	ICAO APAC RO			Completed Amendment proposal APAC 05/29-CNS was processed. States were notified of approval on 24 February 2006. The amendments have been incorporated in the ASIA/PAC FASID First Edition 2006.		Not Applicable, please refer to the latest version	
APANPIRG/16	2005	D 16/38	Surveillance	ADS-B Study and Implementation Task Force Subject/Tasks List	That, the updated subject/Tasks list for ADS-B Task Force as provided in Appendix H to the Report on Agenda Item 2.2 be adopted.	ICAO APAC RO APAC States and Administrations		Completed The fifth meeting of the ADS-B Study and implementation Task Force noted the updated Subject/Tasks List.		Group Dissolved		
APANPIRG/16	2005	C 16/54	Others	Updated Subject/Tasks List of the CNS/MET Sub -Group	That, the Subject/Tasks List of the CNS/MET Sub-group presented in Appendix P to the Report on Agenda Item 2.2 be adopted.	ICAO APAC RO APAC States and Administrations		Completed Completed Subject/Tasks List updated		Group Dissolved		
APANPIRG/16	2005	D 16/55	Others	Revised Statement of BORPC for regional air navigation planning and implementation	That, the revised Statement of BORPC for regional air navigation planning and implementation be incorporated into the Asia/Pacific Basic ANP (Doc 9673).	ICAO APAC RO APAC States and Administrations		Completed The BORPC was included in the 2006 edition of Doc 9673		Not Applicable		
APANPIRG/16	2005	C 16/56	Others	Amendment to the Surveillance Part of the revised BORPC	That, paragraph 7.2 of the revised BORPC be amended in the next cycle of update as follows: 7.2 Surveillance should be provided as an integral part of air traffic control where practicable and desirable or necessary in the interest of safety, efficiency and economy of operations, in particular for those areas where traffic density and/or the multiplicity or complexity of ATS routes creates constraints. Primary and/or secondary surveillance radar systems may be used to fulfill this requirement. Subject to availability and cost effectiveness and provided that the required level of safety is maintained, ADS and ADS-B may be used in airspace where surveillance by radar is impracticable or cannot be justified.	ICAO APAC RO		Closed The proposed text will be considered for inclusion in the next consolidated amendment to the BORPC.		Superseded		
APANPIRG/16	2005	D16/58	Surveillance	Amendment to the Regional Plan for the CNS/ATM System to include ADS-B	That the ASIA/PAC Regional Plan for the New CNS/ATM System be amended to include ADS-B element for the surveillance systems as indicated in the Appendix C to the Report on Agenda Item 3.	ICAO APAC RO		Completed		Not Applicable, please refer to the latest version		
APANPIRG/16	2005	D16/59	Others	Review of the Regional Plan for the New CNS/ATM System	That, the CNS/MET, ATM/AIS/SAR Sub-groups and RASMAG be tasked to review the Global Air Navigation Plan for the CNS/ATM System and the ASIA/PAC Regional Plan for the New CNS/ATM system with a view to avoiding any duplication with the updated Global Plan. The work should commence immediately after issuance of new edition of the Global Plan.	ATM/AIS/SAR CNS/MET RASMAG Sub Groups	Updated Regional Plans in harmony with Global Air Navigation Plan	Completed (Amended Global Plan published and Regional Performance Framework Task Force meeting held)		Task Completed		
APANPIRG/16	2005	D16/60	Automation	Correlation of Aircraft Identification	That, ATM/AIS/SAR and CNS/MET Sub-groups study the use of "aircraft identification" as an unique 'key' for correlation between flight plan data and surveillance information considering operational and technical aspects for implementation. The result of study be presented for consideration by APANPIRG/17.	ICAO APAC RO APAC States and Administrations		Completed ADS-B Task Force conducted the study and concluded that the alternative of flight ID as contained in ADS-B messages can be used as an additional unique key for direct correlation with flight plan data.		Task Completed		
APANPIRG/16	2005	C16/61	UAV	UAV Operation	That, ICAO develop, as a priority, appropriate provisions and guidance material for the operation of UAV.	ICAO APAC RO ICAO HQ	Guidance Material for the Operation of UAV (UAS)		Closed UAV Exploratory meeting held at ICAO HQ in May 2006. ATM/AIS/SAR/SG/16 did not consider intent of C16/61 had been met and raised additional draft Conclusion re UAV for consideration. During mid 2007 ANC has established ICAO Unmanned Aircraft Systems Study Group (UASSG) to progress these matters		Undertaken by ICAO Panels	

APANPIRG/17	2006	D 17/13	Automation	Reconvening of the AIDC Task Force	That the AIDC Task Force be reconvened for a single meeting to complete the outstanding task of defining the format of the FAN message and addressing other outstanding issues identified in the Asia/Pacific Regional Interface Control Document for ATS Inter-Facility Ground/Ground Data Communications Version 2.0.	Regional Office, AIDC TF	Report to ATM/AIS/ SAR SG/17 CNS/MET SG/11	7/1/2007	Completed		Not Applicable, please refer to the latest version	
APANPIRG/17	2006	D 17/20	AFS	Revision to the Terms of Reference and the Subject/Tasks List of ATNIG	That, the revised Terms of Reference and the Subject/Tasks List of the ATNIG provided in Appendix A to the Report on Agenda Item 2.2 be adopted.	APANPIRG	Revised TORs	8/1/2006	Completed	Revised Subject/Tasks List adopted by APANPIRG presented in ATNIG/2	Group Dissolved	
APANPIRG/17	2006	C 17/21	AFS	Updating of the Strategy for Implementation of ATN	That, the Strategy for implementation of ATN in the ASIA/PAC Region be amended as shown in the Appendix B to the Report on Agenda Item 2.2	APANPIRG Regional Office	Strategy document Web page	Aug 2006 Sept 2006	Completed	Strategy for ATN implementation available on ICAO APAC Website	Not Applicable, please refer to the latest version	Updated from 16/29
APANPIRG/17	2006	C 17/22	AFS	Amendment to FASID Table CNS 2	That, FASID Table CNS 2, <i>Aeronautical mobile service (AMS) and aeronautical mobile satellite service (AMSS)</i> , be replaced with an updated Table in accordance with the established procedure.	Regional Office	Amendment proposal	2/1/2007	Completed	Updated FASID Table CNS-2 approved (ICAO APAC State Letter dated 4 July 2007)	Not Applicable, please refer to the latest version	
APANPIRG/17	2006	C 17/23	Navigation	Performance Based Navigation Seminar/Workshop	That, ICAO organizes appropriate workshop/seminar to facilitate the orderly adoption of the Performance Based Navigation (PBN) concept.	ICAO HQ, Regional Office	Workshop	TBD	Completed	PBN Seminar being organized at Bangkok from 11 to 14 September and at New Delhi, India from 17 to 21 September 2007	Task Completed	
APANPIRG/17	2006	C 17/24	Navigation	Revision of the Strategies for Approach Landing and Departure Guidance Systems and Implementation of GNSS Navigation Capability in the ASIA/PAC Region	That, the updated Strategies for the Provision of Approach, Landing and Departure Guidance Systems and for the Implementation of GNSS Navigation Capability in the ASIA/PAC Region provided in Appendices C and D to the report of on Agenda Item 2.2 be adopted and provided to States	APANPIRG Regional Office	Strategy document Web page	Aug 2006 Sept 2006	Completed	Updated Strategy for the provision of Approach, Landing and Departure Guidance in the Asia Pacific Region is posted on ICAO APAC Website Completed Strategy for implementation of GNSS Navigation Capability in Asia Pacific Region posted on ICAO APAC Website	Not Applicable, please refer to the latest version	Updated from 5/29, 6/23, 10/13, 11/21, 12/16, 13/18, 14/19, 15/23
APANPIRG/17	2006	C 17/25	Surveillance	The First Amendment to the AIGD	That, the amended ADS-B Implementation and Operations Guidance Document (AIGD) as provided in the Appendix E to the Report on Agenda Item 2.2 be adopted.	APANPIRG Regional Office	AIGD document Web page	Aug 2006 Sept 2006	Completed	Updated ADS-B Implementation and Operations Guidance Document posted on ICAO APAC Website	Not Applicable, please refer to the latest version	
APANPIRG/17	2006	C 17/26	Surveillance	Investigation and expedition of way to present ADS-B Data using ACAS hardware	That, ICAO be requested to: a) take into account the importance and benefit of ADS-B IN applications and the role it will have in the final business case; and b) define and support the use of ACAS hardware and traffic displays to present ADS-B based flight identity and velocity vector.	ICAO HQ	Appropriate provisions	TBD	Closed	Monitoring related activities being initiated by the industry	Closed	
APANPIRG/17	2006	D 17/27	Surveillance	Development of Strategy for the implementation of surveillance systems in the ASIA/PAC Region	That, the strategy for the implementation of surveillance systems as contained in the in the Appendix F to the report on agenda item 2.2 be further refined for consideration by APANPIRG/18.	CNS/MET SG	Strategy document	7/1/2007	Completed	Revised Surveillance Strategy being presented in the APANPIRG/18	Not Applicable, please refer to the latest version	
APANPIRG/17	2006	D 17/28	Surveillance	Revised Terms of Reference for ADS-B Study and Implementation Task Force	That, the Revised Terms of Reference for the ADS-B Study and Implementation Task Force as provided in the Appendix G to the report under agenda item 2.2. be adopted.	APANPIRG	TORs	8/1/2006	Completed	Revised Terms of Reference for ADS-B Study and Implementation Task Force presented in the ADS-B TF/6	Group Dissolved	
APANPIRG/17	2006	C 17/29	Surveillance	Mode S transponder inspection	That, recognizing more Mode S Radar ground stations being introduced in the region, States in the Asia/Pacific Region be urged to have aircraft registered having Mode S transponder regularly inspected to ensure correct operation of the Mode S transponders.	Regional Office	State letter	12/1/2006	Completed	State Letter sent to States for conducting inspection. 7 States replied intimating the action taken.	In force	
APANPIRG/17	2006	C 17/30	Frequency	Preparation for World Radiocommunication Conference – 2007 (WRC-2007)	That, ICAO consider convening Regional Preparatory Group Meeting for WRC-2007 in Bangkok during early 2007.	ICAO HQ, Regional Office	Meeting and development of Regional Strategy	1Q 2007	Completed	Convened Regional Preparatory Group (RPG) meeting for WRC-2007 at Bangkok in January 2007 and recommendations circulated to the States	Task Completed	
APANPIRG/17	2006	C 17/31	Frequency	RF interference on the protected DME frequency	That, States' civil aviation administrations be encouraged to work closely with the respective regulatory authorities and undertake all necessary action to ensure that DME and SSR service are not interfered by devices such as wireless CCTV cameras.	Regional Office	State letter	12/1/2006	Completed	In line with the Conclusion, ICAO APAC Office issued State Letter dated 20 December 2006 advising States to take appropriate action with State Regulatory Authorities	In force	

APANPIRG/17	2006	C 17/32	Frequency	HF Interference	That, States where aeronautical stations are experiencing HF radio interference, take necessary actions in coordination with respective radio regulators to identify the source of interference and to eliminate problem.	Regional Office	State letter	12/1/2006	Completed	ICAO APAC Office issued State Letter dated 19 December 2006 advising the States to identify source of interference and eliminate the problem in coordination with the State Radio Regulators	In force	
APANPIRG/17	2006	D 17/46 A , D	Others	Updated Subject/ Tasks List of the CNS/MET Sub-group	That, the Subject/Tasks List of the CNS/MET Sub-group presented in Appendix J to the report of on Agenda Item 2.2 be adopted.	APANPIRG	Subject/Task List	8/1/2006	Completed	Subject/Tasks List being presented in CNS/MET SG/11	Group Dissolved	
APANPIRG/17	2006	C 17/49 D	Others	Use of ADS-B 1 090 MHz Extended Squitter for automatic air-reporting	That, ICAO be invited to develop the necessary SARPs and guidance material to facilitate the implementation of ADS-B 1 090 MHz extended squitter for automatic air-reporting.	ICAO HQ	Appropriate provisions	TBD	Closed	ASP is carrying out a study to evaluate the RF pollution problem associated with usage of 1090 MHz. The issue will be considered after the report on study is available.	Closed	
APANPIRG/18	2007	C 18/8 D	Automation	Adopt Version 3 Asia/Pacific AIDC ICD	That, the Version 3 Asia/Pacific Regional Interface Control Document for ATS Interfacility Ground/Ground Data Communications as shown in Appendix G to the APANPIRG/18 Report on Agenda Item 3.2 be adopted and circulated as regional guidance material.	ICAO APAC Office	State Letter	Dec.2007	COMPLETED	State Letter AP107 dated 11 October 2007, on website	Applicable	Recommend to refer to PAN
APANPIRG/18	2007	D 18/9 D	Automation	Dissolution of AIDC Review Task Force	That, having completed the Version 3 of the Asia/Pacific AIDC ICD in accordance with the APANPIRG Decision 17/13, the AIDC Task Force be dissolved. Any residual tasks with respect to ATN/AMHS transition support be dealt with by the ATNIGC and CNS/MET Sub Group of APANPIRG	ICAO APAC Office	Notification by letter	October 2007	COMPLETED	AIDC Review task force dissolved. The residual tasks are included in the tasks of ATNIGC	Group Dissolved	
APANPIRG/18	2007	C 18/22 D	Others	Foundation Training and Training for Implementation Planners	That, States be encouraged to undertake Foundation Training and Training for Implementation Planners in the areas recommended in the Global Air Navigation Plan	ICAO APAC Office	State Letter	November 2007	CLOSED.	State Letter AP0119/07 (CNS) issued on 2 Nov.07. GM provided to States.	In force	
APANPIRG/18	2007	C 18/23 D	Others	Discontinuation of Asia/Pacific Regional Plan for New CNS/ATM Systems	That in order to harmonize planning process with the Global Air Navigation Plan, Regional Plan New CNS/ATM Systems be discontinued; and ICAO be invited to develop detailed proposals for incorporating the useful information contained in the Regional Plan for the CNS/ATM Systems into the Asia Pacific Regional Air Navigation Plan (Doc 9763) and completed by 2009.	ICAO APAC Office ICAO APAC Office	State letter Proposal for the consideration at APANPIRG 20 in September 2009	Oct 2007 2009	COMPLETED. State Letter AP0112/07 (CNS) issued on 16 Oct. 07 CLOSED Task in b) was undertaken in coordination with HQ Some useful information has been transferred to Regional PBN plan. This Conclusion is considered closed. MET: consensus between HQ and RO that necessary information is currently provided in Annex 3, Global ANP, and RANP for which the latter is updated routinely based on global groups. This Conclusion is considered close	In force	Updated from 2/36, 4/44, 5/38, 5/39, 5/40, 6/39, 7/31, 8/40, 9/43, 10/33, 11/35, 12/40, 13/39, 16/58	
APANPIRG/18	2007	D 18/24 D	AFS	Revision to the Terms of Reference and the Subject/Tasks List of ATNIGC	That, the Revised Subject/Tasks List of the ATNIGC provided in Appendix A to the Report on Agenda Item 3.3 be adopted.	ICAO APAC Office/ATNIGC	Revised TORs/Tasks List	5/1/2008	COMPLETED.	ATNIGC/3 was notified the Subject/Tasks List	Group Dissolved	
APANPIRG/18	2007	C 18/25 D	AFS	Guidance Document for AMHS Conformance Testing	That, the Guidance Document for AMHS Conformance Testing as provided in Appendix B to the Report on Agenda Item 3.3 be adopted and published as First Edition for use in the Asia and Pacific Region	ICAO APAC Office	Guidance Document for AMHS in ICAO APAC Website	12/1/2007	COMPLETED.	Posted on APAC web site and States were informed on 18 Dec. 07	Not Applicable, please refer to the latest version	
APANPIRG/18	2007	C 18/26 D	Automation	Amendment to FASID Table CNS-1E	That, FASID Table CNS-1E, ATS Inter-Facility Data Communication (AIDC) Implementation Plan , be replaced with the updated Table in accordance with the established procedure.	ICAO APAC Office	Amendment proposal	March 2008	COMPLETED.	Amended FASID CNS Table 1E circulated to States through letter dated 19 March, 2008. Approved on 23 May 08.	Not Applicable, please refer to the latest version	
APANPIRG/18	2007	C 18/27 D	AFS	ATN/AMHS Implementation Seminar/Workshop	That, ICAO be invited to coordinate with the State concerned to conduct an ATN/AMHS Seminar/Workshop to address implementation issues in early 2008	ICAO APAC Office	Workshop	January 2008	COMPLETED.	The workshop was conducted from 21 to 23 January, 2008 in Chiang Mai	Task Completed	
APANPIRG/18	2007	C 18/28 D	AFS	Amendment to AMHS ICD	That, the revised AMHS ICD provided in the Appendix C to the Report on Agenda Item 3.3 be adopted as the Second Edition of ASIA/PAC AMHS ICD	ICAO APAC Office	Web document	December 2007	COMPLETED.	Posted and States were informed on 18 Dec.07	In force	Updated from 13/35

APANPIRG/18	2007	C 18/29 D	AFS	Aeronautical Mobile (R) Service Strategy	That, the Strategy for Aeronautical Mobile (R) Service in the Asia/Pacific Region shown in Appendix D to the Report on Agenda Item 3.3 be adopted and published.	ICAO APAC Office	State Letter	9/1/2007	COMPLETED. State Letter AP0132/07 (CNS) issued on 14 Dec.07		Not Applicable, please refer to the latest version	
APANPIRG/18	2007	C 18/30 D	Navigation	Strategies for the Provision of Navigation Services and GNSS Navigation Capability in the Asia/Pacific Region	That, the Strategies for the provision of navigation services and GNSS Navigation Capability provided in Appendix E and Appendix F to the Report on Agenda Item 3.3 be adopted and published.	ICAO APAC Office	Revised Strategies published in APAC Region Website	12/1/2007	COMPLETED. State Letter dated 14 December 2007 issued and posted on APAC web site.		Not Applicable, please refer to the latest version	Updated from 5/21, 6/35, 7/25, 9/31, 10/14, 11/22, 12/17, 13/18, 14/19, 15/23, 16/33, 17/24
APANPIRG/18	2007	D 18/31 D	Surveillance	Revision of the TOR and Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the revised Terms of Reference (TOR) and Subject/Tasks List of ADS-B Study and Implementation Task Force provided in Appendix G to the Report on Agenda Item 3.3 be adopted.	ICAO APAC Office/ADS-B SITF	Revised TOR and Subject/Tasks list of ADS-B Study and Implementation Task Force	4/1/2008	COMPLETED. TOR and Subject/Tasks List reviewed by ADS-B SITF/7 held from 7 to 11 April, 2008 and posted on web site.		Group Dissolved	
APANPIRG/18	2007	C 18/32 D	Surveillance	The guidance material on comparison of various surveillance technologies	That, the guidance material on comparison of various surveillance technologies (GMST) provided in the Appendix H to the Report on Agenda Item 3.3 be adopted.	ICAO APAC Office	Publish Guidance Material on Comparison of Various Surveillance Technologies on ICAO APAC Website	January 2008	COMPLETED. State Letter dated 14 December 2007 issued and posted on APAC web site		In force	
APANPIRG/18	2007	C 18/33 D	Surveillance	The Second Amendment to the AIGD	That, the ADS-B Implementation and Operational Guidance Document (AIGD) be amended as shown in the Appendix I to the Report on Agenda Item 3.3.	ICAO APAC Office	Amended AIGD be available in ICAO APAC Website	January 2008	COMPLETED. State Letter dated 14 December 2007 issued and posted on APAC web site.		Not Applicable, please refer to the latest version	
APANPIRG/18	2007	C 18/34 D	Surveillance	Guidelines on performance parameters for using ADS-B managed service	That, States consider the performance parameters contained in Appendix J to the Report on Agenda Item 3.3 as service performance guidelines while finalizing acquisition of an ADS-B managed service agreement with a service provider.	ICAO APAC Office	Publication of Guidelines on ICAO APAC Website State Letter	12/1/2007	COMPLETED. State Letter dated 14 December 2007 issued and the guidelines posted on the APAC web site.		In force	
APANPIRG/18	2007	C 18/35 D	Surveillance	Mandate Regional ADS-B Out Implementation	That, States planning to deliver ADS-B based ATS services, implement requirements for ADS-B Out avionics equipage for aircraft operating in their airspace with a target date of 2010 Note: The implementation would require aircraft equipped with avionics compliant with either Version 0ES as specified in Annex 10, Volume IV, Chapter 3, Paragraph 3.1.2.8.6 (up to and including Amendment 82 to Annex 10) and Chapter 2 of draft Technical Provisions for Mode S Services and Extended Squitter (ICAO Doc 9871) to be used till at least 2020. or Version 1ES as specified in Chapter 3 of draft Technical Provision for Mode S Services and Extended Squitter (ICAO Doc 9871) (Equivalent to DO260A)	ICAO APAC Office	State Letter	December 2007 Target date revised to April 2008	CLOSED. State letter issued on 16 April 08		Not Applicable	
APANPIRG/18	2007	C 18/36 D	Surveillance	Concept of Use for Multilateration	That, the Concept of Use of Multilateration provided in Appendix K to the Report on Agenda Item 3.3 be adopted as Version 1 for use as regional guidance material.	ICAO APAC Office	Publish the Guidelines on ICAO APAC Region Website	1/1/2008	COMPLETED. Posted on APAC web site and States were informed on 14 Dec. 07		In force	
APANPIRG/18	2007	C 18/37 D	Surveillance	Surveillance Strategy for Asia/Pacific Region	That, the Surveillance Strategy for Asia/Pacific Region provided in Appendix L to the Report on Agenda Item 3.3 be adopted and published.	ICAO APAC Office	Surveillance Strategy in ICAO APAC Website	9/1/2007	COMPLETED. Surveillance Strategy for Asia/Pacific Region posted on ICAO APAC website		Not Applicable, please refer to the latest version	
APANPIRG/18	2007	C 18/38 D	Surveillance	Establishment of ADS-B Working Group-SEA	That, a South-East Asia Sub-regional ADS-B Implementation Working Group be established by end 2007 to develop the terms of cooperation and an implementation plan for near-term ADS-B applications in the sub-region.	States concerned	Group established and first meeting conducted	12/1/2007	COMPLETED. ADS-B SEA Working Group established. First meeting of the Group held in Nov. 07. Conducted 2nd meeting on 2 & 3 July 08 in KL, Malaysia.		Group Dissolved	
APANPIRG/18	2007	D 18/51 D	Others	Updated Terms of Reference and Subject/Tasks List of the CNS/MET Sub-group	That, the Terms of Reference and the Subject/Tasks List of the CNS/MET Sub-group presented in Appendix S and Appendix T to the Report on Agenda Item 3.3 respectively, be adopted.	ICAO APAC Office	Updated TOR and subject/Tasks List	6/30/1905	COMPLETED CNS/MET SG meeting in July 2008 notified of the updated Terms of Reference and Subject/Tasks List		Group Dissolved	
APANPIRG/18	2007	C 18/52 D	Navigation	Establishment of a regional Performance Based Navigation Task Force (PBN/TF)	That, an Asia/Pacific PBN Task Force, with terms of reference as outlined in Appendix A to the APANPIRG/18 Report on Agenda Item 3.5, be established to develop a PBN implementation plan for the Asia/Pacific Region and address related regional PBN implementation issues.	ICAO APAC Office	PBN Task Force	1/1/2008	COMPLETED First Meeting of PBN Task Force held from 9-11 January 2008. Second meeting held from 1-3 April 08. Third meeting held from 16-18 July 08.		Group Dissolved	
APANPIRG/18	2007	C 18/53 D	Navigation	Development of State PBN Implementation Plans	That, the Regional Office encourage States to begin development of their State PBN implementation plans in harmony with the development of the Asia/Pacific Regional PBN implementation plan being coordinated by the Asia/Pacific PBN Task Force for submission to APANPIRG/19 (2008).	ICAO APAC Office	State Letter based on regional PBN implementation plan to be developed by PBN task force	2009 Revised 2010	COMPLETED. PBN/TF has developed models for such plans. More than 20 States have submitted their PBN Implementation Plan for review by the PBNTF.		Task Completed	
APANPIRG/18	2007	C 18/54 D	Navigation	Globally harmonized SARPS and guidance material for PBN	That, ICAO be invited to continue to ensure development and maintenance of globally harmonized PBN SARPs and guidance materials to keep pace with operational PBN implementation demands, including development of model documentation suitable for adaptation by State regulatory authorities in implementing State aircrew and airframe approval processes for PBN.	ICAO HQ	Appropriate provisions and guidance material ICAO Issue Form transmitted to HQ by Regional Office in early 2008	7/1/2009	CLOSED ANC supported and requested the secretariat to process the issue form as a priority		Undertaken by ICAO Panels	

APANPIR G/18	2007	C 18/55 D	Navigation	Designation of contact person for PBN implementation	That, by 31 December 2007, States designate a focal contact person responsible for performance based navigation implementation and provide details of the contact person to ICAO Asia/Pacific Regional Office accordingly.	States	List of contact persons	12/1/2007	CLOSED State letter circulated on 3 October 2007.		Task Completed	
APANPIR G/19	2008	D 19/16 D	AFS	Revision to the Subject/Tasks List of ATN/ICG	That, the Revised Subject/Tasks List of the ATN/ICG provided in Appendix A to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	ATN/ICG informed. Paper prepared.	5/1/2009	COMPLETED		Group Dissolved	
APANPIR G/19	2008	C 19/17 D	AFS	Asia/Pacific Aeronautical Telecommunication Network System Security Policy	That, the updated "Asia/Pacific Aeronautical Telecommunication Network System Integrity Policy" provided in Appendix B to the Report on Agenda Item 3.4 be adopted as "Asia/Pacific Aeronautical Telecommunication Network System Security Policy".	ICAO APAC Office	Published on website. States notified	10/1/2008	COMPLETED. State letter dated 14/10/08		Task Completed	
APANPIR G/19	2008	C 19/18 A D	AFS	ATS Message Management Center (AMC) Software	That, to facilitate implementation and management of ATN in Asia-Pacific Region, ICAO be urged to facilitate transfer of Eurocontrol AMC Software to Aerohai and to allow Aerohai to modify the Software to suit the requirements of Asia-Pacific Region.	ICAO HQ	MOU signed and AMC software transferred.	May 2009. Revised June 2009.	CLOSED ICAO HQ issued State Letter on 19 April 2009 asking all States to use European AMC service for the off-line address management. AMC also provides other guidance to the States and conducted training for users in regions.	ANC: Noted that the secretariat is reviewing the feasibility.	Undertaken by ICAO Panels	
APANPIR G/19	2008	C 19/19 A D	Automation	Implementation of AIDC in Asia and Pacific Regions	That, States be urged to expedite implementation of AIDC between neighboring ATS facilities in accordance with the Regional Air Navigation Plan and the Asia/Pacific AIDC ICD.	ICAO APAC Office	State Letter	12/1/2008	COMPLETED on 10/12/08		In force	
APANPIR G/19	2008	C 19/20 D	AFS	Adoption of ATN over IPS in addition to ATN over OSI	That, considering the inclusion of ATN over IPS SARPs in ICAO Annex 10, Volume 3 and support global harmonization of ATN implementations, States hosting BBIS be urged to implement ATN over IPS in addition to ATN over OSI and complete this implementation of Dual Stack ATN (ATN/OSI and ATN/IPS) by 2011.	ICAO APAC Office	State Letter ATN over IPS	Dec 2008 2011	COMPLETED ANC- Noted		In force	
APANPIR G/19	2008	C 19/21 D	AFS	Amendment to Asia/Pacific Regional AMHS MTA Routing Policy	That, the revised Asia/Pacific AMHS MTA Routing Policy placed at Appendix C to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	Published on website	3/1/2009	COMPLETED		In force	
APANPIR G/19	2008	C 19/22 D	AFS	Amendment to FASID Tables CNS – 1B and CNS – 1C	That, FASID Tables CNS – 1B ATN Router Plan and Table CNS – 1C AMHS Routing Plan be amended by replacing them with the Tables provided in Appendices D and E to the Report on Agenda Item 3.4 in accordance with the established procedure.	ICAO APAC Office	Amendment proposal processed	3/1/2009	COMPLETED amendment proposal processed		Not Applicable, please refer to the latest version	
APANPIR G/19	2008	C 19/23 D	AFS	Amendment to Asia/Pacific AMHS Manual.	That, Annex E and Annex F provided in Appendix F to the Report on Agenda Item 3.4 be adopted as Annexes to the Guidance Document for AMHS Conformance Testing (AMHS Manual).	ICAO APAC Office	Published on website and States notified	11/1/2008	COMPLETED		Not Applicable, please refer to the latest version	
APANPIR G/19	2008	C 19/24 A D E	AFS	Satellite Communications Service Performance	That, a) States and International Organizations be requested to liaise with satellite service providers to establish a mechanism to maintain and modernize the satellite communication infrastructure; and b) ICAO be invited to organize a meeting by the end 2008 for stakeholders to review the performance and provision of satellite data link communications in the Asia-Pacific Region and find a solution.	ICAO APAC Office ICAO APAC Office	State Letter Meeting conducted	Feb 2009 Dec 2008 Revised target date- April 2009 Meeting further deferred due civil circumstances in Thailand, now scheduled late August 2009	COMPLETED COMPLETED The postponed Meeting was held in August 2009 ANC: noting the similar developments in different Regions. Requested the secretariat to address the subject of ensuring availability of SATCOM in a comprehensive manner.		Task Completed	
APANPIR G/19	2008	C 19/25 D	Navigation	ASIA/PAC PBN Implementation Plan	That, the Asia/Pacific PBN Implementation Plan as provided in Appendix G to the Report on Agenda Item 3.4 be adopted and published as the interim Edition based on which, States be urged to develop their national PBN implementation plan and provide feedback to the ICAO Regional Office.	ICAO APAC Office	State letter. Published on website and States notified	11/1/2008	COMPLETED ANC: Noted		Not Applicable, please refer to the latest version	
APANPIR G/19	2008	C 19/26 A D	Navigation	Investigation DME based RNAV	That, in the interest of efficiency, States with DME coverage extending beyond their FIRs be requested to consider allowing neighboring States to develop PBN procedures utilizing these DMEs.	ICAO APAC Office	State Letter	2/1/2009	COMPLETED on 24/03/09		In force	
APANPIR G/19	2008	C 19/27 D	Flight Procedure	Flight Procedure Design Office	That, ICAO continues to develop the concept of a Flight Procedure Design Office taking into account proposals submitted by the States with emphasis on the role, responsibility and financial mechanisms.	ICAO APAC Office ICAO HQ	Issue form sent to HQ Establishment of FPO	Dec 2008 May 2009	COMPLETED China selected to host FPP ANC Action: noted that the Secretariat is on the task of studying the proposals received and would take into account the concerns expressed by the ANC in this regard.		Task Completed	
APANPIR G/19	2008	C 19/28 A D	Navigation	Continuous Descent Final Approach (CDFA) and Baro-VNAV	That, in order to reduce the likelihood of CFIT accidents, States be urged to a) review non-precision approach procedures with LNAV lines of minima to include CDFA profile; and b) include the Baro-VNAV design in the current and new RNP APCH approaches and consequent LNAV/VNAV approach minima.	ICAO APAC Office	State Letter	Oct 2008	COMPLETED State letter dated 14/10/08	ANC: Noted	In force	

APANPIR G/19	2008	C 19/29	D	Navigation	Separation Standards for PBN	That, ICAO be invited to expedite development and publication of separation standards for use in implementation of the PBN RNAV 5, RNAV 2, RNAV 1 and Basic-RNP 1 navigation specifications.	ICAO APAC Office ICAO HQ	Issue Form sent to HQ development of separation standards for use in implementation of the PBN RNAV 5, RNAV 2, RNAV 1 and Basic-RNP	Dec 2008 2010	COMPLETED ANC action: noted that the task has already been taken up by SASP and is developing SARPs on the basis of obstacle clearance criteria for separation of aircraft in terminal airspace with a target date of 2010.		Task Completed	
APANPIR G/19	2008	D 19/30	D	Navigation	Revision to the Terms of Reference of the PBN Task Force	That, the Revised Terms of Reference of the PBN Task Force provided in Appendix I to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	Paper prepared	3/1/2009	COMPLETED		Group Dissolved	
APANPIR G/19	2008	C 19/31	D	Navigation	Revision of the Strategy for the Provision of Navigation Services in the Asia/Pacific Region	That, the revised Strategy for the provision of navigation services provided in Appendix J to the Report on Agenda Item 3.4 be adopted and provided to States	ICAO APAC Office	Published on Website and States notified	2/1/2009	COMPLETED on 18/02/09. ANC- Noted		Not Applicable, please refer to the latest version	
APANPIR G/19	2008	C 19/32	D	Navigation & Surveillance	Testing of Navigation and Surveillance facilities Seminar	That, ICAO be invited to organize a seminar on 'Testing of Navigation and Surveillance facilities' in 2009 to address issues related to ground and flight inspection/validation.	ICAO APAC Office	Seminar	9/1/2009	COMPLETED Seminar was conducted from 5 to 7 August 2009.		Task Completed	
APANPIR G/19	2008	D 19/33	D	Surveillance	Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the Subject/Tasks List for ADS-B Study and Implementation Task Force provided in Appendix L to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	ADS-B S & I TF informed and paper prepared.	Apr 2009. revised May 2009	COMPLETED		Group Dissolved	
APANPIR G/19	2008	C 19/34	D	Surveillance	Guidance Materials on Implementation of ADS-B	That, the following Guidance Materials on implementation of ADS-B Out Services be adopted for use by States in the Asia and Pacific Regions: - Reporting Probability of ADS-B update as shown in Appendix M; - Reporting ADS-B Avionics fitment as shown in Appendix N; - the performance criteria for multi-sensor fusion as shown in the Appendix O.	ICAO APAC Office	Published on website and States notified	1/1/2009	COMPLETED on 14/01/09		In force	
APANPIR G/19	2008	C 19/35	D	Surveillance	Guidelines for the development of ADS-B Implementation Plan	That, States be advised to use the following guidelines for the development of ADS-B implementation plan. a) minimize capital and operating costs of ADS-B data facilities; b) give priority to provide coverage over major traffic flows; c) provide ADS-B coverage in areas within 150 NM from FIR boundaries; d) suitable sites with power, shelter, access routes and data communication links shall be preferred; and e) overlapping of ADS-B coverage is preferred.	ICAO APAC Office	State Letter	2/1/2009	COMPLETED on 23/01/09		Not Applicable	Please refer to AIGD
APANPIR G/19	2008	C 19/36	D	Surveillance	Sample Agreement for ADS-B Data Sharing	That, the sample Agreement for ADS-B Data Sharing and the cost apportionment framework provided in the Appendices P and Q respectively to the Report on Agenda Item 3.4 be adopted as the regional guidance material.	ICAO APAC Office	State Letter	2/1/2009	COMPLETED on 14/01/09		Not Applicable	Please refer to AIGD
APANPIR G/19	2008	C 19/37	D	Surveillance	Revised Mandate Regional ADS-B Out Implementation	States intending to implement ADS-B based surveillance service, be urged to a) determine ADS-B OUT equipage mandates based upon the ability to provide ADS-B OUT separation services; b) expedite the implementation of ADS-B OUT in accordance with the Regional Air Navigation Plan and the provision of separation services based on ADS-B OUT; c) publish their equipage mandates as soon as possible, with a target publication date of no later than 2010 so that operators can plan ahead their forward purchasing and retrofit; d) choose a date after mid 2012 on which the ADS-B out equipage mandate will become effective in airspace served by ADS-B ground stations with sufficient transition period to enable fleet equipage. Note: The implementation would require aircraft equipped with avionics compliant with either; 1) Version 0 ES as specified in Annex 10, Volume IV, Chapter 3, Paragraph 3.1.2.8.6 (up to and including Amendment 82 to Annex 10) and Chapter 2 of the Technical Provisions for Mode S Services and Extended Squitter (ICAO Doc 9871) (Equivalent to DO260) to be used till at least 2020. or 2) Version 1 ES as specified in Chapter 3 of the Technical Provisions for Mode S Services and Extended Squitter (ICAO Doc 9871) (Equivalent to DO260A).	ICAO APAC Office	State Letter publish their ADS-B OUT equipage mandate ADS-B out equipage mandate will become effective in airspace served by ADS-B ground stations	Nov 2008 2010 After mid 2012	COMPLETED. On 18/11/08 ANC action- Noted		In force	Updated from 18/35
APANPIR G/19	2008	C 19/38	A D		Support provision of VHF radio voice communication associated with ADS-B data sharing between adjacent States	That, States be urged to consider following regional policy on supporting provision of direct controller pilot communication capability associated with ADS-B data sharing between adjacent FIRs of States. "In order to provide radar like separation services using ADS-B, it is necessary for the controllers to have direct controller pilot communication (DCPC). In some cases, to achieve radar like separation services it may be necessary for the States to provide VHF radio voice communication services for use by adjacent States. It is therefore recommended that States capable to do so support provision of VHF radio voice communication services to adjacent States when this is required to support the delivery of ADS-B based separation services. Cost of such service provision shall be agreed between the States concerned."	ICAO APAC Office	State letter	3/1/2009	COMPLETED		In force	
APANPIR G/19	2008	C 19/39	D	Surveillance	Regional Surveillance Strategy for Asia/Pacific Region	That, the revised Regional Surveillance Strategy for Asia/Pacific Region provided in the Appendix R to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	Published on website and States notified	Jan/Feb 2009	COMPLETED ANC- Noted		Not Applicable, please refer to the latest version	

APANPIRG/19	2008	C 19/40 A D	Surveillance	Coordination for SSR Mode S Interrogator Identifier Code	That, a) in view of low density of SSR interrogator installations in the region, only Interrogator Identifier (and not Surveillance Identifiers) codes be used for SSRs Mode S in areas of overlapping coverage b) while implementing SSR Mode S, States should take into account following issues while assigning Interrogator Identifier codes for these installations: - for planning the implementation of SSR Mode S interrogators, administrations should ensure that the interrogators with overlapping coverage are not operating with the same Interrogator Identifier (II) codes. - where, the coverage of the interrogator extends beyond the boundaries of the State, The II code and PRF should be worked out in coordination with the ICAO Asia and Pacific Office and the neighboring States, and - administrations should inform the ICAO Asia and Pacific Office about the assigned II codes and PRFs for these installations.	ICAO APAC Office	State letter	3/1/2009	COMPLETED. State Letter dated 24 March 09		In force	
APANPIRG/19	2008	C 19/41 A D E	Frequency	Contact Person for WRC-11 and active participation by the States in WRC-11 related national and regional activities	That, States be urged to nominate a Contact Person responsible for the preparation for WRC-11 in their administration and inform ICAO Asia and Pacific Office about the contact details of the nominated Contact Person; and actively participate in all the national and regional level activities related to the preparation for WRC-11.	ICAO APAC Office	State Letter	1/1/2009	COMPLETED 20/01/09		Task Completed	
APANPIRG/19	2008	D 19/55 D	Others	Updated Subject/Tasks List of the CNS/MET Sub-group	That, the Subject/Tasks List of the CNS/MET Sub-group provided in Appendix A2 to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	CNS/MET SG informed with paper prepared	Jul 2009	COMPLETED		Group Dissolved	
APANPIRG/20	2009	D 20/14	Automation	Support for Global ICD for AFTN AIDC	That recognizing the benefits to be gained from globally harmonized interface arrangements for AIDC, APANPIRG supports the work being undertaken by the United States to coordinate a global Interface Control Document for AFTN AIDC and invites the Asia/Pacific Regional Office to act as the regional point of contact for this work.	ICAO APAC Office	State Letter	2/1/2010	COMPLETED AP-ATM0041, 26 January 2010	Noted	Task Completed	
APANPIRG/20	2009	C 20/15	Navigation	Survey of RNP 4 Equipage and Approvals	That during 2010 the Regional Office conducts a regional survey to establish the current and near term equipage and approvals status for RNP 4 operations.	ICAO APAC Office	Survey conducted and outputs compiled	March 2010	COMPLETED SL AP07410 (ATM), 10 May 2010 RO presented RNP4 survey to PBN TF/8 in May 2011.		Task Completed	
APANPIRG/20	2009	C 20/17	Frequency	SAR Guidance on 121.5 MHz Search Planning	Recognizing that large populations of aircraft would continue to use 121.5MHz distress beacons after the February 2009 cessation of COSPAS SARSAT Satellite tracking capability States consider the guidance material "Search Planning for Audible 121.5 Distress Beacon Alerts" contained in Appendix G to the APANPIRG/20 Report on Agenda Item 3.2 when developing SAR procedures and training documentation.	ICAO APAC Office	State Letter	Feb 2010	COMPLETED AP027/10 (ATM), 8 February 20 10		In force	
APANPIRG/20	2009	C 20/18	Frequency	Provide SAR 121.5 MHz Guidance to ICAO/IMO JWG	That the Regional Office seek the assistance of the United States in providing a copy of the guidance material "Search Planning for Audible 121.5 Distress Beacon Alerts" contained in Appendix G to the APANPIRG/20 Report on Agenda Item 3.2 to the ICAO/IMO Joint Working group on SAR for consideration as an amendment to the International Aeronautical and Maritime SAR (IAMSAR) Manual.	ICAO APAC Office	Regional Office Letter	Feb 2010	COMPLETED AP-ATM0057, 16 February 2010		Task Completed	
APANPIRG/20	2009	D 20/26	AFS	Revision of Subject/Tasks List of ATNIGC	That, the revised Subject/Tasks List of ATNIGC provided in Appendix A to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	ATNIGC informed and paper prepared	Sept 2009 May 2010	COMPLETED ATNIGC WG/6 held from 22 to 25 Sept 2009 informed. ATNIGC/7 notified		Group Dissolved	
APANPIRG/20	2009	C 20/27	AFS	ATN/AMHS Guidance Material	That, the following guidance materials for ATN/AMHS Implementation be adopted and published. Version 3.1 of the Asia/Pacific IDRP Routing Policy provided in Appendix B to the Report on Agenda Item 3.4; AMHS/ATN Network Management Operational Procedure Guidelines provided in Appendix C; Amended AMHS Conformance Testing (AMHS Manual provided in Appendix D; and Aeronautical Telecommunication Network Security Checklist provided in Appendix E.	ICAO APAC Office	Published on website. States notified	10/1/2009	COMPLETED State Letter dated 12 October 2009 issued		In force	Updated from 14/14; 18/25, 19/23
APANPIRG/20	2009	C 20/28	AFS	Short-term procedure for Global AMHS address Coordination	That, ICAO request States to register their AMHS addresses with EUROCONTROL. AMC through Aeronautical Radio of Thailand (Aerorhai) and provide a copy of this information to ICAO Asia/Pacific Office.	ICAO APAC Office	State Letter	11/1/2009	COMPLETED State Letter dated 3 November 2009 issued		In force	
APANPIRG/20	2009	C 20/29	AFS	AMHS Addressing Scheme	That, States be urged to update information in respect of their administrations in the regional AMHS Naming Register; and States hosting BBIS hubs be requested to process both the XF and CAAS addressing schemes.	ICAO APAC Office	State Letter	11/1/2009	COMPLETED State Letter dated 3 November issued		In force	
APANPIRG/20	2009	C 20/30	AFS	Revision of FASID Tables CNS-1B, CNS-1C and CNS-1E	That, FASID Tables CNS-1B, 1C and 1E for ATN Router Plan, AMHS Routing Plan and AIDC Routing Plan be replaced with the revised CNS Tables provided in Appendices F, G and H respectively to the Report on Agenda Item 3.4.	ICAO APAC Office	Amendment proposal to HQ	3/1/2010	COMPLETED State letter issued on 26 March 2010		Not applicable	
APANPIRG/20	2009	C 20/31	AFS	State and Operator aircraft information for GOLD	That, a) States be urged to provide Region & State Information for inclusion in the GOLD Appendix E, by sending the completed forms(s) provided in Annex 1 to the Report on agenda item 3.4 for their flight information regions (FIRs) or control areas (CTAs) by 30 October 2009; and b) IATA be urged to coordinate with member airlines for providing operator & aircraft information for the GOLD Appendix F by sending completed form(s) as provided in Annex 2 to the Report on agenda item 3.4 for each variance, clarification, or addition to applicable aircraft type by 30 October 2009.	ICAO APAC Office	State Letter	Sept 2009	COMPLETED. State Letter dated 25 September 2009.		Task Completed	

APANPIRG/20	2009	C 20/32	AFS	Second Satellite Data-link Operational Continuity Meeting	That, ICAO be invited to organize 2nd Satellite Data-link Operational Continuity Meeting 2010 for stakeholders to review the developments on the performance and provision of satellite data link communication in the Asia/Pacific Region and develop a solution.	ICAO APAC Office	Meeting conducted	Oct 2010 Revised target date Feb. 2012	Completed SOCM/2 was conducted on 8-10 February 2012		Task Completed	
APANPIRG/20	2009	C 20/33	AFS	Coordinate Implementation of Reduced Horizontal Separations with CSPs	That, recognizing the technical limitations in satellite data link communications capability for the provision of ADS-C and CPDLC, States intending to implement reduced horizontal separations based on RNAV 10 and RNP 4 PBN specifications in oceanic and remote areas commence early coordination with Communication Service Providers (CSPs) in order to ascertain adequate data link communication/surveillance capability to support the proposed implementation. Outcomes should be recorded in a formal Service Level Agreement (SLA) between implementing States and CSPs, jointly or severally, to ensure that capabilities are available to properly support RCP 240/D specifications contained in Appendices B and C to the GOLD on an ongoing basis.	ICAO APAC Office	State Letter	Jan 2010	COMPLETED State Letter dated 7 January 2010 issued	Noted	In force	
APANPIRG/20	2009	C 20/34	AFS	Technical Limitations in Satellite Data Link Communications Capability	That, recognizing current technical limitations in satellite data communications capability that impacts PBN based separation applications particularly for RNAV10 and RNP 4 in the remote and oceanic areas, ICAO be invited to address this issue at global level.	ICAO APAC Office ICAO HQ ANB/CNS ATB	Issue Form sent HQ Global monitoring	Dec 2009 On going	COMPLETED	Noted Noted and that ICAO will undertake a case study on the ownership and control of the air navigation services infrastructure, including the development of a draft service level agreement for use by air navigation service providers. Furthermore, usage of two or more autonomous networks by States and international organizations will provide much better availability. The Secretariat to monitor further developments.	In force	
APANPIRG/20	2009	C 20/35	Navigation	Asia-Pacific Flight Procedure Programme	That, States be encouraged to participate in the Asia-Pacific Flight Procedure Programme in order to build or improve their instrument flight procedure capabilities, meet the PBN implementation goals of Assembly Resolution A36-23 and enhance flight safety, efficiency and environmental protection.	ICAO APAC Office ICAO HQ ANB/ATM	State Letter	July 2009 2011	COMPLETED State Letter T6/13.11.2-AP089/09 issued on 29 July 09 & follow-up letter had been issued	Noted Welcomed the initiative and requested the Secretariat to follow it up for with a similar approach for AFI region.	Not Applicable	
APANPIRG/20	2009	C 20/36	Navigation	Preparation for PBN Implementation	That, States that have not done so, are urged to develop their State PBN Implementation Plans, and take action in accordance with those plans to implement WGS-84 and Electronic Terrain and Obstacle Data in their States.	ICAO APAC Office	State Letter	Nov 2009	COMPLETED State Letter dated 4 November 2009 issued	Noted	In force	
APANPIRG/20	2009	C 20/37	Navigation	Guidance material for PBN Implementation	That, ICAO be invited to develop guidance materials on: a) establishing common implementation rules and technical standards for GNSS reporting and prediction requirements; b) assigning PBN capability to GPS IFR aircraft in the first instance without the need for recertification; and c) PBN-specific aspects of en-route safety assessment.	ICAO APAC Office ICAO HQ /ANB/ATM ICAO HQ /ANB/ATM	Issue Form sent HQ Guidance material for PBN implementation Status report	Dec 2009 2011 June 2010	COMPLETED	Noted To address these PBN issues through appropriate ANC Panel and Study Groups. Requested the Secretariat to provide a status report on global implementation of PBN.	Task Completed	
APANPIRG/20	2009	D 20/38	Navigation	Regional RAIM prediction System	That, PBNTF be tasked to examine the feasibility of establishing a regional RAIM prediction system.	ICAO APAC Office	PBNTF informed and paper prepared	2/1/2010	COMPLETED PBN TF/6 notified about the task through WP/8		Task Completed	
APANPIRG/20	2009	C 20/39	Navigation	RNAV Human Factors	That, RNAV safety message provided in Appendix J to the Report on Agenda Item 3.4 be distributed to the States for further distribution to all operators involved in RNAV operations in order to apply the lessons learnt.	ICAO APAC Office	State Letter	Nov 2009	State Letter dated 3 November 2009 issued		In force	
APANPIRG/20	2009	C 20/40	Navigation	PBN Implementation Progress Report Template	That, States be urged to use the PBN Implementation Progress Report Template provided in Appendix K to the Report on Agenda Item 3.4 for all future reporting of their status of PBN implementation. The Report should be submitted at each of the future PBN Task Force Meeting.	ICAO APAC Office	State Letter	Jan 2010	Completed A SL had been sent to States on 4 Aug 09 urging States to provide progress report using the template.		In force	
APANPIRG/20	2009	C 20/41	Navigation	Asia/Pacific Regional PBN Implementation Plan	That, the Asia/Pacific Regional PBN Implementation Plan provided in Appendix L to the Report on Agenda Item 3.4 be adopted as Version 1.0.	ICAO APAC Office	State Letter	Nov 2009	Completed State Letter dated 4 November 2009 issued	Noted	Not applicable	
APANPIRG/20	2009	C 20/42	Navigation	PBN Safety Assessment Training	That, ICAO be requested to assist in addressing the PBN safety assessment training needs in the region.	ICAO APAC Office ICAO HQ ANB/ATM	Issue Form sent HQ PBN safety assessment training needs	Dec 2009 2012	Completed	Noted To address this performance based navigation issue through appropriate ANC Panels and Study Groups.	In force	
APANPIRG/20	2009	C 20/43	Navigation	RNP AR Approach Implementation	That, States be urged to give detailed considerations to the operational need, safety and cost benefits prior to deciding on RNP AR Approach implementation.	ICAO APAC Office	State Letter	Nov 2009	Completed State Letter dated 4 November 2009		Task Completed	
APANPIRG/20	2009	D 20/44	Navigation	PBN Task Force Activities	That, the PBN Task Force continues with the current TORs for two additional meetings in 2010.	ICAO APAC Office	PBNTF informed and paper prepared	2/1/2010	Completed PBN TF/6 informed about APANPIRG Conclusion through WP		Group Dissolved	
APANPIRG/20	2009	C 20/45	Others	Sharing Information on ICAO Panels/SGs	That, ICAO be requested to consider sharing information on ICAO Panels and Study Groups activities/outcome regularly with regional planning/implementation groups.	ICAO APAC Office ICAO HQ	Issue Form sent HQ	12/1/2009	Completed		Applicable	

APANPIR G/20	2009	C 20/46	Navigation	Revision of the Strategy for the Provision of Navigation Services in the Asia/Pacific Region	That, the updated Strategy for the provision of navigation services provided in Appendix M to the Report on Agenda Item 3.4 be adopted and published.	ICAO APAC Office	State Letter Updated Strategy posted on website	Nov 2009	Completed State Letter dated 5 November 2009		Not Applicable, please refer to the latest version	Updated from 19/31
APANPIR G/20	2009	D 20/47	Surveillance	Guidance material for flight inspection/validation of ADS-B ground stations	That, ADS-B SITF be tasked to study the need for developing guidance material for flight inspection/validation of ADS-B ground stations.	ICAO APAC Office	ADS-B SITF informed and paper prepared	May 2010	Completed ADS-B SITF/9 will be notified. The meeting held in Aug.10		Task Completed	
APANPIR G/20	2009	C 20/48	Flight inspection	Flight Inspections and Validation of Flight Procedures	That, ICAO be invited to: carry out a study for use of DGPS as a positioning reference system for flight inspection; provide guidelines for selecting GP reference point for flight inspection; review areas of possible misinterpretations in ICAO Doc 8071 such as the ones shown in Appendix N to the Report on Agenda Item 3.4 and provide necessary guidance on the interpretation of the ICAO requirements in order to avoid inconsistency of interpretations and to harmonize application of ICAO Standards and Recommended Practices; review information on flight validation as contained in ICAO Doc 8071 Volume II consequent to new Doc 9906 Volume V becoming applicable; and develop templates for flight validation reports for PBN IFPs including RNP APCH procedure. A sample template developed by Aeroflot for RNP APCH is provided in Appendix O to the Report on agenda item 3.4.	ICAO APAC Office ICAO HQ /ANB/ATM	Issue Form sent HQ Flight Inspections and Validation of Flight Procedures	Dec 2009 2011	Completed 	Noted To address this performance based navigation issue through appropriate ANC Panels and Study Groups.	Task Completed	
APANPIR G/20	2009	C 20/49	Navigation & Flight inspection	Update of procedures and infrastructure	That, the States be reminded of the contents of State Letter AN 7/5-01/52 dated 11 May 2001 on ILS maintenance procedures; reminded to provide updates to information as contained in the eighth edition of the flight inspection catalogue; and urged to consider upgrading their FIS to include the flight inspection requirements of GNSS, Interference, ADS-B, Multi-lateration etc. as necessary.	ICAO APAC Office	State Letter	Nov 2009	Completed State Letter dated 5 November 2009		Task Completed	
APANPIR G/20	2009	D 20/50	Surveillance	Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the Subject/Tasks List for ADS-B Study and Implementation Task Force provided in Appendix P to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	ADS-B SITF informed and paper prepared	4/1/2010	Completed ADS-B SITF/9 will be informed.		Group Dissolved	
APANPIR G/20	2009	C 20/51	Surveillance	Workshop on ADS-B OUT equipage requirement	That, ICAO be invited to organize a workshop on ADS-B OUT equipage requirement before May 2010 with the assistance from Australia and USA.	ICAO APAC Office, Australia and USA	The workshop conducted	4/1/2010	Completed The workshop held in Aug.10		Task Completed	
APANPIR G/20	2009	C 20/52	Others	Table CNS 4A and Table CNS 4B	That, the FASID Table CNS 4A and Table CNS 4B be replaced with updated Tables provided in Appendix Q and Appendix R to the Report on Agenda Item 3.4 in accordance with the established procedure.	ICAO APAC Office	Amendment proposal to HQ	3/1/2010	Completed SL issued on 29 March 2010		Not Applicable, please refer to the latest version	
APANPIR G/20	2009	C 20/53	Surveillance	Revised Guidelines for Development of ADS-B Implementation Plan by States	That, the revised guidelines for Development of ADS-B Implementation Plan by States provided in Appendix S to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter Updated Strategy posted on website	11/1/2009	Completed State Letter dated 4 November 2009 issued		In force	Updated from 19/35
APANPIR G/20	2009	C 20/54	Surveillance	Regional ADS-B Equipage Requirement	That, States be urged to issue ADS-B authorizations for the interim period 2010-2020 (or until requirements can be harmonized globally) in Non-Radar Areas (NRA) airspace based on: AMC20-24 certification or Approval by CASA Australia or The requirements of the CASA Civil Aviation Order 20.18 Amendment (No. 1) 2009 and Advisory Circular AC21-45 Note: States that have not yet published regulations should implement necessary regulations that recognize that any one of the above requirements is acceptable and not specify an individual requirement.	ICAO APAC Office	State Letter	Dec 2009	Completed State Letter dated 18 December 2009 issued		Not applicable	
APANPIR G/20	2009	C 20/55	Others	Forward Fitment Requirements for SA Aware and FDE functionality	That, ICAO recommends States concerned to adopt forward fitment requirements which include SA aware and FDE functionality as soon as reasonable.	ICAO APAC Office	State Letter	12/1/2009	Completed State Letter dated 18 December 2009		In force	
APANPIR G/20	2009	C 20/56	Surveillance	Coordination for SSR MODE S II Codes	That, the Table on SSR Mode S Interrogator Identifier Codes as provided in Appendix T on Agenda Item 3.4 to the Report be adopted; and States be advised to provide the required information as specified in the Table on SSR Mode S Interrogator Identifier Codes to the ICAO Asia/Pacific Office for coordination and registration.	ICAO APAC Office	State Letter	Jan 2010	Completed State Letter dated 27 October 2009 issued		In force	
APANPIR G/20	2009	C 20/57	Surveillance	Planning Criteria for SSR Mode S II Code Assignment	That, the Planning criteria for SSR Mode S II code coordination and assignment as provided in Appendix U to the Report on Agenda Item 3.4 be adopted as a provisional guidance material for use in the Asia/Pacific Region.	ICAO APAC Office	State Letter	Jan 2010	Completed State Letter dated 27 October 2009	Noted	Not Applicable, please refer to the latest version	

APANPIRG/20	2009	C 20/58	Frequency	ICAO Position for the World Radio Communication Conference – 2011 (WRC-11) Agenda Items	That, States be urged to: integrate ICAO Position on WRC-11 Agenda Items into their State Position presented to the regional telecommunication forum (APG) involved in the preparation of joint regional position on the Agenda Items; include ICAO Position on WRC-11 Agenda Items into the State Position to the extent possible; undertake to provide experts from their civil aviation authorities to participate in the development of State and regional positions; and ensure to the extent possible, State delegation to regional conferences, ITU Study Groups and WRC should include experts from Civil Aviation authorities.	ICAO APAC Office States	State Letter Support to ICAO position on WRC agenda through participation in WRC 2011 now postponed January 2012	October 2009 Jan 2010	Completed State Letter dated 12 October 2009	Appreciated the ongoing contribution of APANPIRG in addressing this issue in a number of forums and requested the Secretary General to urge States to continue to participate at various levels in different forums to provide support to the ICAO position.	Task Completed	
APANPIRG/20	2009	D 20/71	Others	Updated Terms of Reference and Subject/Tasks List of the CNS/MET Sub-group	That, the revised Terms of Reference and Subject/Tasks List of the CNS/MET Sub-group provided in Appendices Y and Z to the Report be adopted.	ICAO APAC Office	CNS/MET SG informed and paper prepared	7/1/2010	COMPLETED		Group Dissolved	
APANPIRG/20	2009	C 20/72	Navigation	Ionospheric Data Collection – Focal Point of Contact	That, the States be urged to: cooperate with each other to collect data and characterize ionosphere model in the APAC region that will lead to smooth introduction of GNSS in ASIA/PAC Region; and provide the name and contact details of the Focal Point of Contact to ICAO Regional Office for coordinating collection and exchange of ionospheric data with the ultimate objective of establishing a standard ionospheric model for the region.	ICAO APAC Office	State Letter	January 2010	COMPLETED		Task Completed	
APANPIRG/21	2010	D 21/16	AFS	ATN/CIG Subject/Tasks List	That, the updated Subject/Tasks List placed at Appendix A to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	ATN/CIG WG and ATN/CIG informed and paper prepared	September 2010 May 2011	COMPLETE COMPLETE		Group Dissolved	
APANPIRG/21	2010	C 21/17	AFS	ICAO Doc 9896 clarifications	That ICAO be invited to provide clarifications on the following issues related to ATN/AMHS implementation. i) VoIP should be limited to ATS ground service since the ICAO approach is to encourage data communication such as CPDLC. Furthermore, the VoIP performance is network dependent and thus performance acceptance is varied; ii) how the States will come to know about updates on the relevant RFCs; and iii) IPv6 address structure.	ICAO APAC Office ICAO HQ/ANB/CNS	Issue form sent to ICAO HQ SARPs related to ATN/AMHS implementation	December 2010 2012	COMPLETE	Noted and requested the Secretariat to provide clarifications on the issues related to ATN/AMHS implementation.	Task Completed	
APANPIRG/21	2010	D 21/18	AFS	Regional ATN/AMHS Implementation Planner	That, the Asia/Pacific Regional Implementation Planner Placed at Appendix B to the Report on Agenda Item 3.4 be adopted to report ATN/AMHS implementation progress in the region	ICAO APAC Office	ATN/CIG WG and ATN/CIG informed	September 2010 May 2011	COMPLETE COMPLETE		Task Completed	
APANPIRG/21	2010	C 21/19	AFS	AMHS connectivity with ICAO MID region	That Singapore, Pakistan and India take initiative in transitioning to AMHS connectivity with Bahrain, Kuwait, Iran and Oman respectively at the earliest.	ICAO APAC Office States concerned	States reminded and initiative by States taken	4/1/2011	COMPLETE AP-CNS0205 AP-CNS0206 24 Dec. 10		Task Completed	
APANPIRG/21	2010	C 21/20	AFS	Strategy for Implementation of Aeronautical Telecommunication Network (ATN) in the Asia/Pacific Region	That, the document provided at Appendix C to the Report on Agenda Item 3.4 be adopted as Strategy for Implementation of Aeronautical Telecommunication Network (ATN) in the Asia/Pacific Region.	ICAO APAC Office	State Letter Available on the website	11/1/2010	COMPLETE AP184/10 13 Dec. 10	Noted	Not applicable	Please refer to strategy for Implementation of Communication Systems to Support Air Navigation Service in the Asia/Pacific Region
APANPIRG/21	2010	C 21/21	AFS	AMC Information Form	That, States be invited to provide data for AMC in respect of their Administration in the format provided at Appendix D to the report on agenda item 3.4.	ICAO APAC Office	State Letter	11/1/2010	COMPLETE AP187/10 13Dec10		Applicable	
APANPIRG/21	2010	C 21/22	AFS	Asia/Pacific ATN Interim Addressing Plan	That, i) the proposed IPv6 and IPv4 addressing schemes be submitted to ICAO and ICAO be requested to consider a global IPv6 addressing scheme for ground-ground communication; ii) the proposed IPv4 address plan placed at Appendix E to this report on agenda item 3.4 be adopted to enable the Asia/Pacific ATN ground IPS network implementation to proceed using IPv4 in the interim with minimum delay; and iii) The Asia/Pacific region transition to IPv6 once the above issues have been resolved.	ICAO APAC Office ICAO HQ	Issue Form sent to HQ and State letter A global IPv6 addressing scheme for ground-ground communication IPv4 address plan in order to enable the Asia/Pacific ATN ground IPS network implementation Transition to IPv6	March 2011 2012 COMPLET E TBD	COMPLETE COMPLETE	Noted and requested the Secretariat to develop SARPs for a global IPv6 addressing scheme for ground-ground communication. Noted Noted	In force	

APANPIR G/21	2010	C 21/23	AFS	Amendment/update of Regional ATN/AMHS Guidance Documents	That, the following amended Regional Guidance Documents for ATN/AMHS implementation be adopted and distributed to the States. a) the amended Asia/Pacific ATN Network Service Access Point (NSAP) Addressing Plan for Asia/Pacific Region as provided in the Appendix F to the Report on Agenda Item 3.4; b) the Test Procedure for ATN Router Connection Test, Annex C to Asia/Pacific AMHS Manual as provided in the Appendix G to the Report on Agenda Item 3.4; c) "Asia/Pacific ATN Security Guidance Document" to replace the existing Asia/Pacific ATN Security Guidance Document, Draft First Edition as provided in Appendix H to the Report on Agenda Item 3.4; and d) the phased testing procedure to transit from AFTN routing to MTA-to-any-MTA routing be incorporated in the AMHS Manual as provided in Appendix I to the Report on Agenda Item 3.4.	ICAO APAC Office	State Letter Updated guidance material available on the website	11/1/2010	COMPLETE / AP040/11 24/0311		In force	
APANPIR G/21	2010	C 21/24	AFS	Points for Proposed Defect Report (PDR) (Amendment Proposal) raised in the region	That, States be invited to present their ATN/AMHS implementation related Points for Proposed Defect Report (PDR) (Amendment Proposal) to the ICAO APAC Office. These points will be presented to the ATN/CIG/ATN/CIG Working Group (whichever is scheduled earlier) by the Secretariat for endorsement, so that these points, along with the ATN/CIG/ATN/CIG WG recommendations can be forwarded to ACP WG – M Secretariat through ICAO APAC Office	ICAO APAC Office	State Letter and Procedure is followed	12/1/2010	COMPLETE AP182/10 9Dec10		In force	
APANPIR G/21	2010	C 21/25	AFS	Japan/Russia AFTN Routing Change	That, ICAO be requested to coordinate with Europe Region for updating AFTN routing directory and consequential change to the APAC AFTN routing directory.	ICAO APAC Office	Coordination carried out and Routing Directory updated	3/1/2011	Closed Coordination was carried out. Temporary alternate routing established		Task Completed	
APANPIR G/21	2010	C 21/26	Automation	Pan-Regional ICD for AIDC	That, ICAO Regional Office inform the NATSPG that the proposed title That, ICAO Regional Office inform the NATSPG that the proposed title "Pan-regional ICD for Oceanic AIDC" is unacceptable as the ICD for AIDC is applicable for use by all ATS and ATM facilities in both oceanic, and continental areas within the Asia Pacific Region; and that the document should be titled as "Pan-Regional ICD for AIDC".	ICAO APAC Office	ICAO ERU Office and NATSPG informed	11/1/2010	COMPLETE CNS0209/10 9Dec10		In force	
APANPIR G/21	2010	C 21/27	AFS	Inter-regional ad hoc SATCOM Task Force	That, a) the Terms of Reference of the inter-regional ad hoc Satellite Voice Communication (SATCOM) Task Force adopted by NAT System Planning Group as provided at Appendix to the Report on Agenda Item 3.4 be endorsed; and b) the outcome of the task force should be coordinated with the CNS/MET Sub-group of APANPIRG.	ICAO APAC Office	ICAO EUR Office and CNS/MET SG informed	December 2010 July 2011	COMPLETE COMPLETE		Group Dissolved	
APANPIR G/21	2010	C 21/28	Frequency	Regional HF Management Guidance Material	That, the HF Management Guidance Material for the South Pacific as provided in the Appendix K to the Report on Agenda Item 3.4 be adopted as Part One of Asia/Pacific Regional Guidance Material for HF Management.	ICAO APAC Office	State Letter and GM on the website	12/1/2010	COMPLETE CNS0183/10 9Dec10		In force	
APANPIR G/21	2010	D 21/29	Navigation	PBN Task Force Tasks List	That, the PBN Task Force Tasks List provided at Appendix L to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	Paper prepared and PBNTF informed	3/1/2011	COMPLETE The adopted Task List noted by the PBN TF at its meeting in May 2011		Group Dissolved	
APANPIR G/21	2010	C 21/30	Navigation	Limitation of Older Generation FMS	That, ICAO (IFPP, PBNSG) be invited to note, once again, the importance of the limitation of older generation FMS in storing multiple procedures for the same type of navigation system for a runway. This limitation occurs when pilots attempt to select a specific approach that is not stored in the FMS navigation database. ICAO is requested to consider establishing additional guidance, supplementing existing PANS provisions and to explore solution(s).	ICAO APAC Office ICAO HQ	Issue Form sent to HQ Additional guidance supplementing existing PANS provisions regarding limitation of older generation FMS	October 2010 2012	COMPLETE 2012	Noted and requested the Secretariat to develop guidance supplementing existing PANS provisions regarding limitation of older generation FMS.	Undertaken by ICAO Panels	
APANPIR G/21	2010	C 21/31	Navigation	Revised APAC Regional PBN Implementation Plan	That, the revised APAC Regional PBN Implementation Plan Version 2.0 provided in Appendix M to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office ICAO HQ	State Letter Revised APAC Regional PBN Implementation Plan	10/1/2010	COMPLETE	Noted the delay in implementation of PBN and requested the Secretariat to consider what can be done to encourage greater progress.	Not Applicable, please refer to the latest version	
APANPIR G/21	2010	C 21/32	Navigation	Develop State PBN Implementation Plan	That, the States, which have not developed their State PBN Implementation Plans so far, be urged to develop the plan in accordance with the Asia/Pacific Regional PBN Implementation Plan at the earliest and advise the Regional Office of the impediments in the implementation of PBN.	ICAO APAC Office States	State Letter Impediments in the implementation of PBN informed	3/1/2011	COMPLETE	Noted the delay in implementation of PBN and requested the Secretariat to consider what can be done to encourage greater progress..	In force	
APANPIR G/21	2010	C 21/33	Navigation	Aircraft Equipage Requirements	That, ICAO provides guidance on aircraft that do not have a lateral and vertical readout on navigation display, but do display the lateral and vertical profile on the navigation equipment which could be considered as an alternate means of compliance, if supplemented by appropriate flight crew training for RNP value of 0.3 RNP or greater.	ICAO APAC Office ICAO HQ	Issue Form sent to ICAO HQ and Required guidance provided Guidance on aircraft equipage requirements for RNP value of 0.3 or greater	March 2011 2012	COMPLETE	Noted and requested the Secretariat to develop guidance on aircraft equipage requirements for RNP value of 0.3 or greater and rationalize the guidance material.	In force	
APANPIR G/21	2010	D 21/34	Navigation	PBN Task Force continuation	That, the PBN Task Force be continued.	ICAO APAC Office	Paper prepared and the Task Force informed	3/1/2011	COMPLETE		Group Dissolved	
APANPIR G/21	2010	C 21/35	Navigation	Slow Progress of PBN Implementation	That, ICAO highlights the slow progress and impediments in PBN implementation at the upcoming 47th DGCA Conference for their support to expedite implementation.	ICAO APAC Office ICAOHQ	Paper prepared and issues highlighted Revised APAC Regional PBN Implementation Plan	October 2010	COMPLETE	Noted the delay in implementation of PBN and requested the Secretariat to consider what can be done to encourage greater progress..	Task Completed	
APANPIR G/21	2010	C 21/36	Navigation	Progress of GNSS Implementation & Awareness of GNSS Manual	That, ICAO a) highlight the slow progress of GNSS implementation in the aviation field at forums such as the coming 47th DGCA Conference in October in Macao, China; and b) raise the awareness of existence of the GNSS Manual among the aviation community.	ICAO APAC Office	Paper prepared and issues highlighted	10/1/2010	COMPLETE	Noted.	Task Completed	

APANPIRG/21	2010	D 21/37	Surveillance	Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the Subject/Tasks List for ADS-B Study and Implementation Task Force provided in Appendix N to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	Paper prepared and the Task Force informed	4/1/2011	COMPLETE		Group Dissolved	
APANPIRG/21	2010	C 21/38	Automation	Guidance Material on Processing and Display of ADS-B Tracks on Air Traffic Controller Positions	That, the Processing and Display of ADS-B Tracks on Air Traffic Controller positions provided in Appendix O to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter The GM available on the Website	12/1/2010	COMPLETE AP017/11 2Feb11		Task Completed	
APANPIRG/21	2010	C 21/39	Surveillance	Template for promulgation of ADS-B Avionics Equipage Requirements	That, based on APANPIRG Conclusion 20/54, States intending to implement ADS-B based surveillance service for a defined airspace and having not published regulations be urged to promulgate mandating rule for ADS-B Avionics Equipage Requirements as soon as possible using the following template: On and after dd/mm/yyyy, if an aircraft operates on airways (insert routes).....at or above FLXXX.....(or in defined airspace boundaries at or above FLXXX) a) the aircraft must carry serviceable ADS-B transmitting equipment that has been certificated as meeting EASA AMC 20-24, or meets the equipment configuration standards in Appendix XI of Civil Aviation Order 20.18 of the Civil Aviation Safety Authority of Australia; and b) the aircraft operator must have the relevant operational approval from the State of Registry.	ICAO APAC Office	State Letter	11/1/2010	COMPLETE AP174/10 24Nov10	Noted	Not Applicable, please refer to the latest version	
APANPIRG/21	2010	C 21/40	Surveillance	Guidelines for Airworthiness and Operational Approval for ADS-B Avionics Equipage	That, States be advised to use the guidelines provided in Appendix P to the Report on Agenda Item 3.4 for Airworthiness and Operational Approval for ADS-B Out Avionics Equipage.	ICAO APAC Office	States informed	1/1/2011	COMPLETE AP008/11 24Jan11	Noted	Not Applicable, please refer to the latest version	
APANPIRG/21	2010	C 21/41	Surveillance	Revised Regional Surveillance Strategy for Asia and Pacific Regions	That, the revised Regional surveillance strategy for Asia and Pacific Regions provided in Appendix Q to the Report be adopted.	ICAO APAC Office	State Letter Revised strategy available on the website	1/1/2011	COMPLETE AP004/11 21Jan11	Noted	Not applicable	
APANPIRG/21	2010	C 21/42	Surveillance	Rule on Misleading ADS-B Transmissions	That, States where ADS-B may be used, even voluntarily, promulgate rule for ADS-B Avionics Equipage Requirements consider publishing additional provisions for misleading ADS-B transmission as follows: After <insert earliest date that ADS-B may be used for any relevant operational purpose> if an aircraft carries ADS-B transmitting equipment which does not comply with a) EASA AMC 20-24, or b) the equipment configuration standards in Appendix XI of Civil Aviation Order 20.18 of the Civil Aviation Safety Authority of Australia. the aircraft must not fly unless the equipment is: (a) deactivated; or (b) set to transmit only a value of zero for the NUCp or NIC. Note: 1. It is considered equivalent to deactivation if NUCp or NIC is set to continually transmit only a value of zero. 2. Regulators should take appropriate action to ensure that such regulations are complied with. 3. ATC systems should discard ADS-B data when NUC or NIC=0	ICAO APAC Office	State Letter	11/1/2010	COMPLETE AP175/10 24Nov10		In force	
APANPIRG/21	2010	C 21/43	Frequency	Preparation for WRC – 2012	That, a) States be urged to have the designated contact person closely involved in the preparatory work for WRC – 2012 at the national level in close coordination with the contact points designated by respective telecommunication regulators; b) Make necessary arrangements for the designated contact persons to attend the APT APG meetings and WRC – 2012 Conference to protect aviation interests; and c) Reference to APANPIRG Conclusions 19/41, 20/58 and DGCA Conference Action Item 46/8 may be used to support these efforts.	ICAO APAC Office and States	States Letter Take necessary action to support ICAO Position for WRC2012	July 2010 2012	COMPLETE AP036/11 11Mar11	Noted and appreciated the preparatory work of APANPIRG in order to seek the support of States for ICAO position at WRC-2012.	Task Completed	
APANPIRG/21	2010	C 21/44	Frequency	Visibility of ICAO Position on WRC – 2012 Agenda Items	That, ICAO be urged to improve visibility to ICAO Position on WRC-2012 Agenda Items of critical interest to civil aviation on the ICAO website.	ICAO APAC Office ICAO HQ	Visibility of ICAO position for WRC2012 on ICAO Website Increased visibility of ICAO position for WRC-2012 on ICAO website by displaying it on home page.	7/1/2010	COMPLETE COMPLETE	Agreed and requested the Secretariat to display ICAO position for WRC2012 on the home page of ICAO website.	Task Completed	
APANPIRG/21	2010	D 21/52	Others	Updated Subject/Tasks List of the CNS/MET Sub-group	That, the updated Subject/Tasks List of the CNS/MET Sub-group provided in Appendix U to the report on agenda item 3.4 be adopted.	ICAO APAC office	Paper prepared and SG notified	7/1/2011	COMPLETE WP prepared		Group Dissolved	
APANPIRG/22	2011	D 22/16 A & C	AFS	Revised TOR and Subject/Tasks List of ATNIG	That, the revised Terms of Reference and the updated Subject/Tasks List provided in Appendix A to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	ATNIG informed. Paper Prepared	5/1/2012	Completed ATNIG/7 was notified in March 12		Group Dissolved	
APANPIRG/22	2011	C 22/17 A	AFS	Amendment to FASID Tables – CNS 1B, 1C and 1E	That, FASID Tables CNS 1B – Aeronautical Telecommunication Network (ATN) routing plan and Table CNS 1E – ATS Inter-facility Data Communication (AIDC) routing plan be replaced with updated Tables provided in Appendices B, C and D to the report on Agenda Item 3.4 in accordance with the established procedures.	ICAO APAC Office	Proposal for Amendment (PIA) processed and submitted to HQ for approval.	3/1/2012	Completed AP042/043 /044 issued on 5Apr.12	AN-WG/SRP recommends that the ANC note this conclusion.	Not Applicable, please refer to the latest version	

APANPIRG/22	2011	C 22/18 A & C	AFS	ASIA/PAC AMHS Technical Specifications	That, the ASIA/PAC AMHS Technical Specifications provided in the Appendix E to the report on Agenda Item 3.4 adopted.	ICAO APAC Office	Published on the website and States notified	11/1/2011	Completed AP152/11 24 Nov. 11		In force	
APANPIRG/22	2011	C 22/19 A & C	AFS	Expedite ATN/AMHS Implementation	That, States be urged to expedite the implementation of ATN/AMHS interconnection for compatible operation in accordance with ICAO APAC Regional Implementation Plan in a time bound manner.	ICAO APAC Office	State Letter	2/1/2012	Completed AP029/12 28 Feb.12		In force	
APANPIRG/22	2011	C 22/20 A & C	AFS	Second Satellite Data-link Operational Continuity meeting (SOCM/2) and Seminar on Satellite Data-link Communication	That, States be urged to nominate suitably qualified personnel to participate in the Seminar on Satellite Data-link Communication and the Second Satellite data-link Operational Continuity Meeting (SOCM/2) scheduled from 15 to 18 November, 2011 in Bangkok, Thailand.	ICAO APAC Office	State Letter SOCM/2 conducted	11/1/2011	Completed SOCM/2 conducted 8-10 Feb. 12 back to back with IRSVTF/3		Task Completed	
APANPIRG/22	2011	C 22/21 A & C	Frequency	Identical SELCAL Codes	That, ICAO be invited to conduct a survey to assess the instances (per annum) of two (or more) aircraft using identical SELCAL codes in the same HF area in the Asia/Pacific Region.	ICAO APAC Office	State Letter	3/1/2012	Completed Survey conducted		Task Completed	
APANPIRG/22	2011	C 22/22 A & C	Navigation	GNSS minimum requirement for RNP Navigation Specifications	That, GNSS-enabled area navigation systems for all RNP navigation specifications be adopted as minimum requirement in the Asia/Pacific Region.	ICAO APAC Office	State Letter	2/1/2012	Completed AP/127/11 27Sep.11		In force	
APANPIRG/22	2011	C 22/23 A & C	Navigation	Participation in the ASIA/PAC Flight Procedure Programme	That, States in the ASIA/PAC Region be encouraged to take part in the regional cooperative effort to achieve the safety, access, capacity, efficiency and environmental benefits that are possible with PBN implementation, by joining the Asia-Pacific Flight Procedure Programme (FPP).	ICAO APAC Office	State Letter	1/1/2012	Completed AP/128/11 27Sep.11		Not Applicable, please refer to the latest version	
APANPIRG/22	2011	C 22/24 A & C	Navigation	Regional RAIM Prediction System and Minimum Technical and Operational Requirements.	That, the States in the Asia/Pacific Region be encouraged to participate in the Regional RAIM Prediction System and the Minimum Technical and Operational Requirements for ASIA/PAC Regional RAIM Prediction System provided in Appendix F to the Report on Agenda item 3.4 be adopted.	ICAO APAC Office	State Letter	12/1/2011	Completed AP/127/11 27Sep.11		Applicable	Updated from 20/38
APANPIRG/22	2011	C 22/25 A & C	Navigation	Regional PBN Plan Amendment	That, the revised APAC Regional PBN Implementation Plan Version 3.0 provided in Appendix G to the Report on Agenda Item 3.4 be adopted and published.	ICAO APAC Office	-State Letter and Published on the website	September 2011	Completed AP/128/11 27Sep.11		Not Applicable, please refer to the latest version	
APANPIRG/22	2011	C 22/26 A & C	Navigation	Workshop on GNSS implementation	That, ICAO be invited to organize a Workshop on GNSS implementation to address issues identified through the GNSS implementation survey conducted in 2010.	ICAO APAC Office	Workshop conducted	6/1/2012	Completed Workshop was conducted on 26Mar12		Task Completed	
APANPIRG/22	2011	C 22/27 A & C	Navigation	Sharing of Ionospheric Data	That, States be urged to coordinate with their relevant national organizations for sharing of available GNSS data with the relevant civil aviation agencies to facilitate characterization of ionosphere to support GNSS implementation in the region.	ICAO APAC Office	State Letter	11/1/2011	Completed AP155/11 25Nov.11		In force	
APANPIRG/22	2011	C 22/28 A & C	Navigation	Protection of aviation utility of GNSS	That, State aviation authorities in partnership with other agencies of the State prohibit malicious and unintentional interference to GNSS and regulate legitimate uses of technology to preserve aviation utility of GNSS.	ICAO APAC Office	State Letter	11/1/2011	AP156/11 25Nov.11 Closed		In force	
APANPIRG/22	2011	C 22/29 A	Navigation	Revised Navigation Strategy for the Asia/Pacific Region	That, the revised Navigation Strategy for the Asia/Pacific Region provided in Appendix H to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter	10/1/2011	Completed AP133/11 20Oct.11	AN-WG/SRP recommends that the ANC note this conclusion.	Not Applicable, please refer to the latest version	
APANPIRG/22	2011	D 22/30 A & C	Surveillance	Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the updated Subject/Tasks List of ADS-B Study and Implementation Task Force provided in Appendix I to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter	4/1/2012	Completed ADS-B SITF/11 was notified		Group Dissolved	
APANPIRG/22	2011	C 22/31 A	Surveillance	Development of Guidance Material on ADS-B	That, the following regional guidance materials on ADS-B implementation be adopted and published on the APAC Website. Guidance Material on Building a safety case for the delivery of an ADS-B separation service provided in Appendix J to the report on Agenda Item 3.4 ; the revised Sample Agreement for Data Sharing contained in Appendix K; Amendments to the ADS-B Implementation Guidance Document (AIGD) as shown in the Appendix L consequential to amendment to the Flight Plan and Appendix M on the reliability and availability for ADS-B ground system.	ICAO APAC Office ICAO HQ ANB/ATM	Publication of regional guidance material on the APAC website and States notified. Sharing of guidance material with other regions.	12/1/2011	Completed AP154/11 issued on 24 Nov. 2011 February 2012 Closed	AN-WG/SRP, appreciating the initiative of the APANPIRG, recommends that the ANC note this conclusion and requests the Secretariat to share this guidance material with other regions.	In force	Updated from 19/36
APANPIRG/22	2011	C 22/32 A & C	Frequency	Coordination for VHF for sharing Voice Communication Capability	That, States be urged to support provision of VHF radio voice air/ground communication infrastructure for use by adjacent States; and States sharing ADS-B data and providing VHF Voice air-ground communication infrastructure to adjacent States should co-ordinate with ICAO Regional Office and their national Telecommunication Regulatory Authority for assignment of specific VHF radio frequencies to be used by the adjacent States.	ICAO APAC Office	State Letter	11/1/2011	Completed SL AP153/11 issued on 24 Nov. 11		In force	
APANPIRG/22	2011	C 22/33 A & C	Surveillance	Support DO260B Compliant Avionics	That, States providing ADS-B based surveillance services be urged to upgrade their ADS-B ground stations in time (2012-2015) to receive DO260B standard transmissions in addition to those aircraft transmitting ADS-B data compliant with DO260 and DO260A.	ICAO APAC Office	State Letter	12/1/2011	Completed AP162/11 issued on 8 Dec. 2011		In force	

APANPIRG/22	2011	D 22/34 A & C	Surveillance	Name and Terms of Cooperation of ADS-B Implementation WG	That, Recognizing the need to expedite ADS-B implementation and surveillance data sharing in the Bay of Bengal area, the South East Asia Sub-regional ADS-B Implementation Working Group be renamed as "South East Asia and Bay of Bengal Sub-regional ADS-B Implementation Working Group". Revised Terms of Cooperation and work programme based on the existing one for the SEA Sub-regional ADS-B Implementation Working Group be further developed by the new Working Group.	ICAO APAC Office	SEA/BOB ADS-B WG notified Paper prepared	11/2011	Completed. SEA/BOB/7 held in Nov. 11. Revised Terms of Coop. was developed.		Group Dissolved	
APANPIRG/22	2011	C 22/35 A & C	Surveillance	Expedite ADS-B implementation project in South China Sea area	That, States concerned with ADS-B implementation in the South China Sea area be urged to expedite required actions and coordination to achieve the implementation.	ICAO APAC Office	State Letter	12/1/2011	Completed. SL AP163/11 issued on 8 Dec 2011		In force	
APANPIRG/22	2011	C 22/36 A	Surveillance	Amendment to Regional Supplementary Procedures on ADS-B	That, the Regional Supplementary Procedure Doc7030 MID/ASIA Chapter 5 be amended in accordance with the established procedure to include regional requirements on ADS-B as provided in the Appendix N to the report on Agenda Item 3.4.	ICAO APAC Office ICAO HQ /ANB/ATM	Proposal for amendment (PFA) processed and submitted to HQ. Sharing of APANPIRG's PFA for DOC 7030 related to ADS-B with other regions.	March 2012/rev May 2012 Rev May 2013	COMPLETED PFA was approved by President of Council on 4 Dec. 2013 and States notified on 11 December 2013	AN-WG/SRP, recommends that the ANC note this conclusion and request the Secretariat to share this PFA for DOC 7030 related to ADS-B with other regions.	Not Applicable, please refer to the latest version	
APANPIRG/22	2011	C 22/37 C	Frequency	ICAO Position on WRC-12 Agenda Items of critical interest to civil aviation	That, States be urged to: coordinate with their communication administrations to ensure support for updated ICAO Position on WRC-12 Agenda Items of critical interest to civil aviation circulated through ICAO State Letter SL 2011/59 dated 22 July 2011 in the development of their national/regional position; actively and cooperatively participate in WRC-12 and preparatory meetings and encourage coordination between the focal contact points nominated by Administrations; and support ICAO position provided in the Table at Appendix P to the report on Agenda Item 3.4 on the preferred Methods in CPM-12 Report on WRC-12 Agenda Items.	ICAO APAC Office States	SL issued on 31 Jan. 2013 T 8/8.10:AP017/13 (CNS) National position for WRC-15 developed APT APG meetings participated by CA Initial ICAO delivered Updated ICAO position delivered	September 2013 December 2014 August 2015 January 2013	COMPLETED PFA was approved by President of Council on 4 Dec. 2013 and States notified on 11 December 2013	AN-WG/SRP recommends that the ANC note this conclusion and request the Secretariat to urge States to continue to participate at various levels in different forums to provide support to the ICAO position at WRC-12 (Geneva, Switzerland, 23 January-17 February 2012).	Task Completed	
APANPIRG/22	2011	C 22/38 A & C	Frequency	Frequency Spectrum Management	That States be urged to actively coordinate with their national radio regulator to consider: a) avoiding sharing of aeronautical frequency bands for safety services with non-aeronautical applications and requesting for deletion of their country footnote or have their country name deleted from footnotes under WRC-12 Agenda Item 1.1 in support of ICAO Position for this Agenda Item; b) developing technical and regulatory arrangements to ensure operating environment without harmful interference c) States be urged to develop their spectrum management policy based on the guidance provided in 'Handbook on Radio Frequency Spectrum Requirements for Civil Aviation' (Doc 9718)	ICAO APAC Office	State Letter	10/1/2011	COMPLETED PFA was approved by President of Council on 4 Dec. 2013 and States notified on 11 December 2013		In force	
APANPIRG/22	2011	C 22/46 A & C	Others	Amendment to Intro Text of Part IV of Asia/Pacific BANP	That, the amendment proposed to Part IV – CNS of the Asia Pacific Regions Air Navigation Plan (Doc 9673), Volume 1, Basic ANP provided in Appendix S to the report on Agenda Item 3.4 be adopted and incorporated in the Plan in accordance with the established procedure.	ICAO APAC Office	PFA processed	May 2012	COMPLETED PFA was approved by President of Council on 4 Dec. 2013 and States notified on 11 December 2013		Not Applicable, please refer to the latest version	
APANPIRG/22	2011	C 22/47 A & C	ATSEP	Training Manual (Doc 7192) Part E-2	That, States be urged to develop their training programme for the Air Traffic Safety Electronics Personnel (ATSEP) in line with the guidance provided in the Training Manual (Doc 7192) Part E-2.	ICAO APAC Office	State Letter	2/1/2012	COMPLETED		Not applicable	No E2 found
APANPIRG/22	2011	C 22/48 A & C	AFS	Trials on XML based data over AMHS	That, States be urged to identify the characteristics such as file size, target timeline and interface needed for exchange of OPMET and Digital NOTAM using XML code and conduct trials to promote early provision of a communication medium for exchange of MET and AIM data in XML format over AMHS.	ICAO APAC Office	State Letter	2/1/2012	COMPLETED PFA was approved by President of Council on 4 Dec. 2013 and States notified on 11 December 2013		Task Completed	
APANPIRG/23	2012	C 23/17	AFS	Asia/Pacific IP SND/CF ICD	That, the Asia/Pacific Internet Protocol (IP) Sub-Network Dependent Convergence Function (SND/CF) Interface Control Document (ICD) provided in Appendix A to the Report on agenda item 3.4 be adopted as regional guidance material.	ICAO APAC office	State Letter Ref. T 8/2.13:AP141/12 (CNS) States notified and the GM posted on the APAC website	October. 2012	Complete	To note	Task Completed	
APANPIRG/23	2012	C 23/18	AFS	More Efficient Functioning of AMC	That, ICAO be requested to invite EUROCONTROL AMC to consider the provision of more efficient function to enable States to identify recent changes from the previous AIRAC Cycle and to develop means of automation for providing updated AMHS Address Information.	ICAO APAC office	IOM to Paris Office Ref: T 8/3.13:AP-CNS0151/12 Eurocontrol AMC agreed to take action & action has been done	November. 2012	Complete	To note	Task Completed	
APANPIRG/23	2012	C 23/19	AFS	Sample TMC for ATN/AMHS Interconnection Trials	That, the sample Technical Memorandum of Cooperation (TMC) for ATN/AMHS interconnection trial between States, provided in Appendix B to the Report on agenda item 3.4 be adopted as regional guidance material for reference by States.	ICAO APAC office	State Letter Ref. T 8/2.13:AP141/12 (CNS) States notified and the GM posted on the APAC website	October. 2012	Complete	To note	In force	

APANPIRG/23	2012	C 23/20	AFS	Inter-regional APAC/NAT AIDC Task Force	That, a) the Terms of Reference of the inter-regional APAC/NAT AIDC Task Force provided by NAT System Planning Group at Appendix C to the Report on agenda item 3.4 be endorsed; b) States in Asia/Pacific Regions with experience of AIDC implementation be encouraged to participate in the Task Force to contribute for finalization of inter-regional ICD for AIDC; c) the outcome of the task force should be coordinated with APANPIRG through the CNS Sub-group; and d) States be urged to share their AIDC implementation plan with the neighbouring States in order to implement AIDC in a timely manner.	ICAO APAC office	State letter Ref.: T 8/3.5:AP148/ 12 (CNS) States notified and TF established according to the TOR	November 2012 except for point c) on-going with target date in 2014	Complete	To note	Group Dissolved	
APANPIRG/23	2012	C 23/21	AFS	IMS Operational Concept	That, ICAO be invited to a) develop IMS Operational Concept and expedite finalization of IPv6 network configuration and b) conduct cost-benefit analyses for the implementation of an IPv6 network and IMS/AFS at regional level.	ICAO HQ ANB/IIM APANPIRG /ATNICG	IPv6 network configuration at global level CBA for IP based regional common network Input for States to make their CBA for national IMS/AFS implementation	March 2015 Revised target date December 2017 April 2014 December 2016	CLOSED IPv6 address allocation being progressed by WG-I of Communications Panel COMPLETED (initial version in April 2014 and updated in April 2015 after Request for Information) COMPLETED Chapter 2.4 AFS USE OF SERVICE-ORIENTED ARCHITECTURE (SOA) of the Doc 100039 Manual on System Wide Information Management (AFS) Concept	ANC should bring this to the attention of the ACP (perhaps as in the context of Job-card ACP001)	In force	
APANPIRG/23	2012	C 23/22	AFS	Support of AMSS in the new/replacement SATCOM System	That, States, implementing new/replacement SATCOM data-link systems be invited to consider the following in their study for next generation systems in support of AMSS: a) the system to be compatible with one of the existing and/or future AMSS systems such as INMARSAT to support AMSS data link interoperability; b) to establish an operational environment which will enable seamless AMSS operation for AESS, and architecting AMSS systems with appropriate reliability both in space and ground segments; and c) to include function of SATVOICE for ATS services.	ICAO APAC office	State letter Ref. T8/4.13: AP144/12 (CNS) States concerned notified	October. 2012	Complete	To note	In force	
APANPIRG/23	2012	C 23/23	AFS	FANS I/A over Iridium (FOI) for ATS Communication	That, considering that FANS I/A over Iridium (FOI) is expected to be useable for CPDLC and ADS-C operations using Iridium Next beginning in 2015, FOI be accepted as one of the viable means for conducting ATS data-link communications in the ASIA/PAC Region.	ICAO APAC office	State letter Ref. T 8/4.13: AP183/12 (CNS) States informed by State letter & Regional Strategy of the Air-Ground Data Link amended to include FOI	November 2012	Complete	To note	In force	
APANPIRG/23	2012	C 23/24	Others	Workshop on RCP and RSP	That, ICAO be invited to organize a workshop on RCP and RSP in the Asia/Pacific Region.	ICAO APAC office	Workshop on RCP and RSP conducted	Nov. 2013	Complete Workshop was conducted in May 2013	To note	Task Completed	
APANPIRG/23	2012	C 23/25	AFS	Adoption of 1st Edition of Satellite Voice (SATVOICE) Guidance Material (SVGGM)	That, the 1 st Edition of the Satellite Voice (SATVOICE) Guidance Material (SVGGM) provided in Appendix D to the Report on agenda item 3.4 be adopted.	ICAO APAC office	State letter Ref.: T 8/4.13: AP182/12 (CNS) States notified about the GM which has been posted on the APAC website	December. 2012	Complete	To note	In force	
APANPIRG/23	2012	C 23/26	Navigation	Asia/Pacific GLS Seminar	That, ICAO plans an Asia/Pacific GNSS Landing System (GLS) Seminar to provide information on emerging GLS technology, airport and airline GLS planning, and the development of applicable standards.	ICAO APAC office	State concerned coordinated and GLS Seminar conducted Ref. T3/8.30-AP118/12 (ATM)	12/1/2012	Complete Conducted seminar from 6-7 December 2012, Sydney	To note	Task Completed	
APANPIRG/23	2012	D 23/27	Navigation	Revised PBN/TF Terms of Reference	That, the following amendments are made to the PBN/TF Terms of Reference: 3) Identify other issues/action items arising from the work of ICAO or for consideration by ICAO in order to facilitate regional and global harmonization of existing as well as future applications, and where appropriate, provide responses and support to the ICAO RNPSOR PBNSG. 4) Assist States in the preparation and review of their PBN implementation documentation and provide feedback to ensure regional harmonization and for possible inclusion in ICAO-developed model documentation. 5) Monitor the progress of State PBN implementation, identify constraints to implementation and capture information on the effectiveness (tangible benefits) of State PBN applications. 7) Address other regional PBN implementation issues, including the development of staff resources and skills, as needed by safety management. Coordinate and consult with ICAO FPP, COSCAP, industry partners and volunteering administrations who are providing support to State PBN implementation.	ICAO APAC Office	PBN/TF notified about the approval of revised TOR	December. 2012	Complete The Task Force has been informed.	To note	Group Dissolved	

APANPIR G/23	2012	C 23/29	Navigation	Sharing of Ionospheric Data	That, the States which are not participating in the Ionospheric Studies Task Force be urged to share ionospheric data from their national sources with the Task Force to support development of regional ionospheric models for GBAS and SBAS.	ICAO APAC office	State letter Ref: T 8/5.1 & T 8/5.15: AP142/12 (CNS) States requested to provide the required data for sharing with the Task Force	October 2012	Complete	To note	In force	
APANPIR G/23	2012	C 23/29	Navigation	Navigation Strategy for the Asia/Pacific Region	That, the revised navigation strategy provided in Appendix E to the Report on agenda item 3 be adopted for the Asia/Pacific Region.	ICAO APAC office	State letter Ref. T 8/2.11:AP169/12 (CNS) States notified and revised Navigation strategy posted on the website	November 2012	Complete	To note	Not Applicable, please refer to the latest version	
APANPIR G/23	2012	D 23/30	Surveillance	Revised Terms of Reference and Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the revised Terms of Reference and updated Subject/Tasks List of ADS-B Study and Implementation Task Force provided in Appendices F and Appendix G to the Report on agenda item 3.4 be adopted.	ICAO APAC office	ADS-B SITF notified about approval of revised TOR and Task List	4/1/2013	Complete	To note	Group Dissolved	
APANPIR G/23	2012	C 23/31	Surveillance	Guidance Materials on ASTERIX Category 21 Messages & Advice to Military Authorities regarding Sharing of ADS-B Data	That, the following ADS-B implementation guidance materials be adopted: a) generation, processing and sharing of ASTERIX Category 21 ADS-B Messages provided Appendix H to the Report on agenda item 3.4; and b) advice to military authorities regarding sharing of ADS-B data provided in Appendix I to the Report on agenda item 3.4.	ICAO APAC office	State letter Ref: T 8/10.21: AP184/12 (CNS) States notified about the regional GMs which have been posted on the APAC website	12/1/2012	Complete	To note	In force	
APANPIR G/23	2012	C 23/32	Surveillance	Amendment to ADS-B Implementation Guidance Document (AIGD)	That, the AIGD be amended to include a sample template on harmonization framework for ADS-B implementation as provided in Appendix J to the Report on agenda item 3.4.	ICAO APAC office and States	State letter Ref: T 8/10.21: AP184/12 (CNS) AIGD amended to include the template and posted on APAC Website.	4/1/2013	Complete	To note	Not Applicable, please refer to the latest version	
APANPIR G/23	2012	C 23/33	Surveillance	Database of Blacklist Airframe broadcasting misleading ADS-B Data	That, a) Australia be requested to establish and maintain a Database of Blacklist airframe broadcasting misleading ADS-B data for sharing with other Administrations in the Asia/Pacific Region; and b) States implementing ADS-B based surveillance service be encouraged to provide the identified occurrences of airframe broadcasting misleading data to Australia for entry into the ADS-B Blacklist Database.	ICAO APAC office and Australia	Individual letter Ref. T 8/10.21:AP-CNS0159/12 sent to Australia Database established at request of ICAO RO States requested to provide the required data for sharing	February 2013 March 2013	CLOSED The request was not considered acceptable. Accordingly, further follow-up Action b) was not taken.	To note Use of the term 'Blacklist' should be reconsidered	In force	
APANPIR G/23	2012	C 23/34	Surveillance	Sharing of ADS-B data to support ATC operations and safety monitoring	That, States be urged to provide ADS-B data for sharing to support ATC operations and safety monitoring.	ICAO APAC office	States requested to provide Data to regional airspace monitoring agencies	March 2013 General reminder letter was sent to States in April 13. (Relation with Concl.23/16 RASMAAG)	Complete	To note	In force	
APANPIR G/23	2012	C 23/35	Surveillance	Surveillance Strategy for the Asia/Pacific Region	That, the revised surveillance strategy for the Asia/Pacific Region provided in the Appendix K to the Report on agenda item 3.4 be adopted.	ICAO APAC office	State letter Ref. T 8/2.11:AP169/12 (CNS) States notified and the revised Strategy posted on APAC website	11/1/2012	Complete	To note	Not Applicable, please refer to the latest version	
APANPIR G/23	2012	C 23/36	Frequency	Nomination of Contact Focal Point	That, States be urged to nominate/reconfirm Contact Focal Points for WRC-15 and inform ICAO APAC Office about their contact details.	ICAO APAC office and States	State letter Ref. : T 8/8.10:AP017/13 (CNS) Focal Points for WRC-15 nominated or confirmed by States	2/1/2013	Complete	To note	Task Completed	
APANPIR G/23	2012	C 23/37	Frequency	Preparations for WRC-15	That, a) States consider national and international requirements for aeronautical services identified in the WRC-15 Agenda and develop national positions in line with ICAO Position to ensure the availability and protection of this spectrum for aviation use; b) States actively participate and support WRC-15 aeronautical spectrum issues through national and international meetings including APT Preparatory Group for WRC-15, ITU-R Working Party 5B and JTG 4-5-6-7; and c) States be encouraged to establish consultative groups of aviation industry participants to assist in the preparations for WRC-15 as appropriate.	ICAO APAC Office States	State letter Ref. : T 8/8.10:AP017/13 (CNS) a) National position for WRC-15 developed in line with ICAO position by States; b) States actively participated various forum for WRC-15; c) ICAO state letter issued urging States to establish industry consultative group	September 2013 July 2013 December 2014 January 2013	COMPLETED SL issued on 31 Jan. 2013 COMPLETED COMPLETED COMPLETED Updated ICAO position approved by Council on 17 June and sent 15 July 15 by State letter 2015/52	To note	Task Completed	
APANPIR G/23	2012	C 23/38	Frequency	A SIP Workshop on Radio Spectrum Management	That, a Special Implementation Programme (SIP) Workshop on radio spectrum management including revision to the overall ICAO Spectrum Policy and relevant frequency assignment planning criteria be organized in the Asia/Pacific Region.	ICAO APAC office	SIP Workshop on radio spectrum management conducted	Proposed SIP for 2014 and 2015 was not approved. Revised target date 2016	COMPLETED Workshop held from 18 to 21 October 2016: https://www.icao.int/APAC/Meetings/Pages/2016-FF-Workshop.aspx	To note	Task Completed	

APANPIRG/23	2012	D 23/46	Others	Subjects and Task Lists for CNS and MET Sub-groups	That, the list of Subjects/Tasks for CNS Sub-group provided in the Appendix S and list of Subjects/Tasks for MET Sub-group provided in the Appendix T to the Report on agenda item 3.4 be adopted.	ICAO APAC Office	CNS and MET SGs notified of the approved Task List	5/1/2013	Completed Subjects/Tasks list reviewed and updated at MET SG/17 (16/05/13)	To note	Task Completed	
APANPIRG/24	2013	D 24/1 A & C	Others	Regional Priorities and Targets for Air Navigation	That APANPIRG a) establish, consistent with Recommendations 6/1 and 6/12 of the AN-Conf/12, priorities and targets for air navigation by May 2014; b) utilize specific interface groups, where required, for addressing the harmonization of air navigation plans in adjacent areas of APANPIRG; and c) coordinate with APAC-RASG to ensure consistency of action and avoid overlap.	APANPIRG	Regional Priorities and Targets established	May 2014 Coordination meeting scheduled on 9th September	COMPLETE COMPLETE COMPLETE	To note	Task Completed	
APANPIRG/24	2013	C 24/2 A & C	Others	Establishing Regional Priorities and Targets	That, following the PIRG- RASG Global Coordination meeting held in March 2013 APANPIRG/24 invited the Chairpersons of ATM, RASMAG, CNS, and MET sub groups to establish regional priorities and targets for the APAC Region in alignment with the GANP and APAC Seamless ATM Plan by December 2013 in order to facilitate submission to ICAO by May 2014	ICAO APAC Office Chairperson of ATM, CNS, RASMAG & MET	State Letter Regional Priorities and Targets established	September 2013 December 2013	COMPLETE AGA013/13 1 AUG 2013 COMPLETE	To note	Task Completed	
APANPIRG/24	2013	C 24/3 A & C	Others	Regional and Global Air Navigation Reporting	That States: a. support the plan for an online Regional Performance Dashboard in March 2014 and annual Global Air Navigation Report in April 2014; b. provide requisite information to the ICAO Regional Office, Bangkok to demonstrate operational improvements; and c. establish, if not yet done so, a performance measurement strategy that comprises of data compilation, processing, storage and reporting for the identified regional performance metrics for the air navigation systems.	ICAO APAC Office APAC States	State Letter	Nov-13	COMPLETE AN 3/3 – AP113/13 (AGA) dated 2 August 2013	To note	Task Completed	
APANPIRG/24	2013	C 24/4 A & C	Others	Follow-up to AN-Conf/12 Recommendations by States and International Organizations	That, the States and International Organizations, on the basis of analysis contained in the Appendix A to Report on Agenda Item 2, takes follow-up action as appropriate on the applicable recommendations of the AN-Conf/12	ICAO APAC Office	State Letter	Nov-13	COMPLETE AN 3/3 – AP112/13 dated 2 August 2013	To note	In force	
APANPIRG/24	2013	D 24/5 A & C	Others	Follow-up to AN-Conf/12 Recommendations by APANPIRG	That the subgroups of APANPIRG study the recommendations of the AN-Conf/12, initiate appropriate follow-up actions and submit a report on the outcomes of these actions to APANPIRG/25.	ICAO APAC Office APANPIRG Sub Groups	State Letter	Aug-13	COMPLETE AN 3/3 – AP112/13 dated 2 August 2013 WP for APANPIRG/25 prepared.	To note	Task Completed	
APANPIRG/24	2013	C 24/17 A & C	Automation	AIDC Implementation	Recognizing that States implementing AIDC messaging may be doing so without previous knowledge or experience, and significant safety, ATC capacity and workload benefits arise from implementation of an appropriately selected initial suite of AIDC messages; States should: a) engage as soon as possible in AIDC trials to develop knowledge and address any related ATM or communications system issues; b) implement operational AIDC messaging as a matter of priority, in accordance with APANPIRG Conclusion 19/19; and c) implement as far as practicable, the AIDC messages Advanced Boundary Information (ABI), Coordinate Estimate (EST), Acceptance (ACP), Transfer of Control (TOC) and Assumption of Control (AOC).	ICAO APAC Office	State Letter	7/1/2013	COMPLETE Ref. T 3/10.0 – AP082/13 (ATM)	To note	In force	
APANPIRG/24	2013	C 24/27 A & C	Automation	Prioritization of AIDC Implementation to Address LHDs	Considering that ATS Inter-facility Data Communications (AIDC) is an important means of minimizing Large Height Deviations (LHD), Asia/Pacific States should support the expedition of AIDC through collaborative projects at the following significant LHD interface areas: a) Indonesia: between Jakarta and Chennai/Ujung Pandang/Brisbane/Melbourne FIRs; b) India: between Chennai and Kuala Lumpur FIRs; c) Philippines: between Manila and Fukuoka/Taipei/Hong Kong/Ho Chi Minh/Singapore/Kota Kinabalu/ Ujung Pandang FIRs; and d) China: between – i. Urumqi and Lahore FIRs; and ii. Beijing and Ulaan Baatar FIRs.	ICAO APAC Office	State Letter	7/1/2013	COMPLETE Ref. T 3/10.0 – AP086/13 (ATM)	To note	In force	
APANPIRG/24	2013	C 24/28 A & C	AFS	Timely implementation of ATN/AMHS	That, a) States/Administrations hosting BBIS hubs be urged to review the feasibility and realize interim ATN connectivity using IDRP prior to complete readiness of all the member States in the Region by 2014/15. This will realize early operational benefits of network resiliency and AMHS operations, particularly in the instances where incompatible versions of AMHS currently preclude AMHS connectivity; b) BBIS and BIS States/Administrations be urged to resolve bilateral issues on urgent basis paving the way for effective use of the network and thereby ensuring utilization of resources and the investment made by the States; and c) States hosting BIS nodes be urged to aggressively take up implementation of ATN/AMHS connectivity as per the Regional Plan to complete regional ATN/AMHS network in the whole APAC region by the end of 2015.	ICAO APAC Office	State Letter	July 2013	COMPLETE Ref. T 8/2.10 – AP107/13 (CNS) (29 Sept. 13)	To note	In force	

APANPIRG/24	2013	C 24/29 A & C	AFS	Interface Control Document for ATN IPS (IP V.4)	That, the ICD for ATN IPS (IP v.4) as provided in Appendix A to the Report on Agenda Item 3.4 be adopted as the regional guidance material.	ICAO APAC Office	State Letter Published GM on website	7/1/2013	COMPLETE Ref. T 8/2.13 – AP097/13 (CNS) (12 Jul. 13)	To note	In force	
APANPIRG/24	2013	C 24/30 A & C	AFS	XML Trial over ATN/AMHS	That, ICAO be invited to provide guidance on the requirements for end-user product/message in respect of XML coded NOTAM and OPMET messages.	ICAO APAC Office	IOM to HQ	12/1/2013	COMPLETE IOM to HQ. Ref.: T 8/9.6:AP-CNS0114/13 (11 Oct. 13)	To request the advice of the Secretariat on an appropriate response to the request	Undertaken by ICAO HQ	
APANPIRG/24	2013	D 24/31 A & C	AFS	Aeronautical Communication Services Implementation Coordination Group – (ACSIGG)	That, a) the name “ATN Implementation Coordination Group” be replaced by “Aeronautical Communication Services Implementation Coordination Group” and b) the revised TOR of ACSICG provided in Appendix B to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	WP to ATNIGG/ACSIGG	4/1/2014	COMPLETE State Letter T 8/2.11, T 8/10.21:AP030/14 (CNS) dated 17 February 2014 WP prepared for ACSICG	To note	In force	
APANPIRG/24	2013	D 24/32 A & C	AFS	Common Regional Virtual Private Network (VPN) Task Force	That, a Task Force with Subject Matter Experts (SME) be established to study the virtual private network and develop a detailed proposal by 2016. The Task Force reports the outcome of its study to APANPIRG through ACSICG and CNS SG.	ICAO APAC Office	State Letter	11/1/2013	COMPLETE Ref.: T 8/2.11, T 8/10.21:AP127/13 (CNS) (21 Aug. 13)	To note	In force	
APANPIRG/24	2013	D 24/33 A & C	AFS	APAC RCP/RSP Implementation Framework	That, APANPIRG Sub-groups include in their work program and implementation initiatives consideration of the required communication performance (RCP) and required surveillance performance (RSP) framework.	APANPIRG SGs	Updated work programme of CNS SG and ATNIGG CNS SG and ACSICG notified. RCP/RSP included in the CNS SG work program. PBCS being considered for adoption at global level		COMPLETED CNS SG and ACSICG notified. RCP/RSP included in the SGs work program.	To note	In force	
APANPIRG/24	2013	C 24/34 A & C	AFS	Adoption of Global Operational Data Link Document (GOLD) Edition 2	That, the Global Operational Data Link Document (GOLD) Edition 2 provided in Appendix to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter Posted on the APAC website	7/1/2013	COMPLETE Ref. T 8/4.13 – AP098/13 (CNS) (12 Jul. 13)	To note that the scheduled publication as a Doc is November 2014	In force	
APANPIRG/24	2013	C 24/35 A & C	AFS	Revised regional Aeronautical Mobile Service Strategy	That, the revised regional AMS strategy provided in Appendix E to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter	8/1/2013	COMPLETE Ref. T 8/2.11 – AP121/13 (CNS) (15 Aug. 13)	To note	Not Applicable, please refer to the latest version	
APANPIRG/24	2013	C 24/36 A & C	Navigation	RNAV Substitution for Conventional Instrument Flight Procedures	That, considering the intent of US AC 90-108 and issues concerning the application of GNSS capability for aircraft flying conventional instrument flight procedures: a) Asia/Pacific States should publish material that: i) includes approval for authorized operators with the appropriate RNAV capability to include the listing of conventional navigation aids in flight plans, provided the operator has approval for navigation aid substitution and an appropriate, up-to-date database; ii) includes acceptance of navigation substitution approvals of foreign States; and iii) supports ATC separation standards for navigation aid substitution; and b) ICAO HQ be invited to: i) expedite development of global navigation aid substitution provisions; and ii) review the current Flight Plan contents to consider the listing of aircraft navigation capabilities rather than the listing of specific equipment carried (revisions should include the addition of Item 18 PBN codes for navigation specifications not currently included).	ICAO APAC Office	State letter IOM to HQ	September 2013 November 2013	COMPLETE Ref. T 8/4.13 – AP148/13 (CNS) (10 Oct. 13) COMPLETE IOM to HQ. Ref.: T 8/9.6:AP-CNS0114/13 (11 Oct. 13)	To note that development of provisions is in hand	Task Completed	
APANPIRG/24	2013	C 24/37 A & C	Navigation	New PBN Navigation Specifications	Considering that the RNP2, RNP0.3 and Advanced RNP Navigation Specifications were to be significantly valuable for future planning, ICAO be urged to: expedite standards and guidance associated with these navigation specifications; provide adequate training material and courses to enable effective implementation; and c) expedite the development of procedure design standards in Doc 8168 for low RNP value missed approach and departure operations.	ICAO APAC Office	IOM to HQ Workshop on RNP2, RNP0.3 and Advanced RNP specifications;	December 2013 December 2014	COMPLETE IOM to HQ. Ref.: T 8/9.6:AP-CNS0114/13 (11 Oct. 13)	To note that development of provisions is in hand	In force	
APANPIRG/24	2013	C 24/38 A & C	Navigation	PBN Procedures with Vertical Guidance	That, given the difficulties that some States had with insufficient fleet capability for Baro-VNAV and no Space Based Augmentation System (SBAS), ICAO was urged to consider additional guidelines on alternative provisions to enable compliance so as to better align with the intent of Assembly Resolution A37-11 where practicable.	ICAO APAC Office	IOM to HQ	December 2013	COMPLETE IOM to HQ. Ref.: T 8/9.6:AP-CNS0114/13 (11 Oct. 13)	To request the Secretariat provides more information on the issue	In force	
APANPIRG/24	2013	C 24/39 A & C	Navigation	Asia/Pacific Regional PBN Implementation Plan Ver. 4	That, recognizing the need for alignment of PBN Strategies and Guidance Material, as well as development of the Asia/Pacific Seamless ATM Plan, the Asia/Pacific Regional PBN Implementation Plan Version 4.0, provided in Appendix F to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter and posted on the APAC website	July 2013	COMPLETE Ref. T 8/5.15 – AP101/13 (CNS) (18 Jul. 13)	To note	In force	Updated from 19/25, 20/41, 21/31, 22/25
APANPIRG/24	2013	D 24/40 A & C	Navigation	Dissolution of the PBN Task Force	That, the Performance-based Navigation Task Force (PBN/TF) be dissolved.	ICAO APAC Office	State Letter	July 2013	COMPLETE Ref. T 8/5.15 – AP105/13 (CNS) (29 Jul. 13)	To note	Group Dissolved	
APANPIRG/24	2013	C 24/41 A & C	Navigation	Navigation Strategy for the Asia/Pacific Region	That, the revised navigation strategy provided in Appendix G to the Report on Agenda Item 3.4 be adopted for the Asia/Pacific Region.	ICAO APAC Office	State Letter	August 2013	COMPLETE Ref. T 8/4.13 – AP122/13 (CNS) (15 Aug. 13)	To consider if this might be of interest to other regions, and for consideration by the MET section in ICAO HQ	Not Applicable, please refer to the latest version	

APANPIRG/24	2013	C 24/42 A & C	Surveillance	Timeframe for Data-sharing in the Bay of Bengal Sub-region	That, States concerned be urged to consider the timeframe established for data-sharing in the Bay of Bengal Sub-region as provided in Appendix H to the Report on Agenda Item 3.4.	ICAO APAC Office	State Letter	August 2014	COMPLETE Ref.T8/10.21 -AP130/13 (CNS) (26/8/2013)	To note	In force	
APANPIRG/24	2013	C 24/43 A & C	Surveillance	Processing altitude information in ADS-B Message	That, States/Administrations implementing ADS-B based surveillance services be urged to be fully aware of the safety implications and difference between geometric and barometric altitude. Geometric altitude information shall not be displayed on ATC displays used for the provision of air traffic services. States may choose to use geometric altitude in ATM systems for other purposes.	ICAO APAC Office	State Letter	July 2013	COMPLETE Ref. T 8/10.21 – AP106/13 (CNS) (29/7/13)	To note	In force	
APANPIRG/24	2013	C 24/44 A & C	Surveillance	Amendment to ADS-B Implementation and Operation Guidance Document (AIGD)	That, the revised AIGD provided in Appendix I to the Report on Agenda Item 3.4 be adopted	ICAO APAC Office	State Letter and Publish on the website	July 2013	COMPLETE Ref. T 8/10.21 – AP099/13 (CNS) (12/7/13)	To note	Not Applicable, please refer to the latest version	
APANPIRG/24	2013	C 24/45 A & C	Surveillance	Exchange ADS-B performance monitoring result	That, States be encouraged to exchange findings/result of their ADS-B performance monitoring including experience gained in conducting the required performance monitoring	ICAO APAC Office	State Letter	11/1/2013	COMPLETE State Letter T 8/10.21:AP062/14 (CNS) was issued on 10 April 2014	To note	In force	
APANPIRG/24	2013	C 24/46 A & C	Surveillance	Need for adequate Logistics and Spares Support for ADS-B service	That, States consider making maintenance arrangements including requirements for spares pool and/or maintenance contract for all ADS-B system acquisitions and existing systems already in operation if these arrangements do not yet exist.	ICAO APAC Office	State Letter	8/1/2013	COMPLETE Ref. T 8/10.21 – AP132/13 (CNS) (27/8/13)	To note	In force	
APANPIRG/24	2013	C 24/47 A & C	Surveillance	Surveillance Strategy for the Asia/Pacific Region	That, the revised surveillance strategy for the Asia/Pacific Region provided in Appendix J to the Report on Agenda Item 3.4 be adopted.	ICAO APAC Office	State Letter	8/1/2013	COMPLETE Ref. T 8/4.13 – AP122/13 (CNS) (15/8/13)	To note	Not Applicable, please refer to the latest version	
APANPIRG/24	2013	C 24/54 A & C	Others	Asia/Pacific Seamless ATM Plan	That, the Asia/Pacific Seamless ATM Plan Version 1.0 attached as Appendix B to the Report on Agenda Item 3.6 be endorsed, and made available on the ICAO Asia/Pacific Regional Office web site.	ICAO APAC Office	State Letter	Jul-13	COMPLETE Ref. T 3/10.0 – AP083/13 (ATM)	To note	Not Applicable, please refer to the latest version	
APANPIRG/24	2013	C24/55 A & C	Others	State Seamless ATM Planning	That, given the urgency and priority of Seamless ATM planning for the Asia/Pacific as acknowledged by the 46th Conference of Directors General of Civil Aviation (DGCA, Osaka, Japan, 12-16 October 2009) and APANPIRG/22 (05-09 September 2011), States should be urged to: a) review Version 1.0 of the Asia/Pacific Seamless ATM Plan and utilise the Plan to develop planning for State implementation of applicable Seamless ATM elements; b) ensure relevant decision-makers are briefed on the Seamless ATM Plan; c) submit the first Regional Seamless ATM Reporting Form to the ICAO Regional Office by 01 March 2014; and d) where possible, participate and contribute to Seamless ATM system collaborative training and research initiatives.	1. ICAO APAC Office 2. States	1. State Letter 2. Submit Regional Seamless ATM Reporting Form to the APAC Office	1. July 2013 2. March 2014 Revised date May 2014	COMPLETE Ref. T 3/10.0 – AP083/13 (ATM) COMPLETE	To note	In force	
APANPIRG/24	2013	D 24/56 A & C	Others	Seamless ATM Seminars/Workshops	That, ICAO be urged to facilitate Asia/Pacific Seamless ATM Planning and Implementation Seminars/ Workshops for Asia/Pacific and trans-regional States.	ICAO APAC Office	1. State Letter 2. Conduct Seminars/Workshops	1. July 2013 2. March 2014	COMPLETE Seminars conducted.	To note	Task Completed	
APANPIRG/25	2014	D 25/1 A & B	Others	Development of the new APAC eANP	That in support to the ICAO efforts to align the regional Air Navigation Plans (ANP) with the Fourth Edition of the Global Air Navigation Plan (GANP) (Doc 9750) APANPIRG and its sub groups be invited to: a) include the development of the APAC eANP based on the Council approved ANP template and action plan, in the work programmes of the related APANPIRG contributory bodies; and b) present the relevant Parts of the APAC eANP to APANPIRG/26 for endorsement.	APANPIRG and its sub groups	Work programmes of the related APANPIRG contributory bodies updated Sub groups	December 2014 August 2015	COMPLETE COMPLETE WP prepared for endorsement by APANPIRG/26	Noted	Task Completed	
APANPIRG/25	2014	C 25/2 A & B	Others	APAC Regional Air Navigation Priorities and Targets	That, the Regional Priorities and Targets contained in Appendix A to this Report on Agenda Item 3.0 be endorsed by APANPIRG	ICAO APAC Office	State letter IOM to ICAO/HQ for inclusion and use in the public ICAO APAC Regional Performance Dashboard	9/1/2014	COMPLETE State letter T 8/5.1 & T 3/10.1.2 :AP145/14 (CNS/ATM) 30 Sep.14 IOM T 8/2.11 & T 8/10.21:AP-CNS0076/14 25 September 2014	Noted	in force	
APANPIRG/25	2014	C 25/23 A & B		Data Link Implementation Strategy Guidance	That, the Data Link Implementation Strategy Guidance Material appended as Attachment A APANPIRG/25/WP08 be adopted as guidance material for States/Air Navigation Service Providers and made available on the ICAO Asia/Pacific Regional Office Website (www.icao.int/apac).	ICAO APAC Office	1. Update ICAO website 2. State Letter	1. October 2014 2. October 2014	COMPLETE SL T3/10.0 - AP139/15 (ATM) dated 25 Sept 2014	Noted		
APANPIRG/25	2014	C 25/27 A & B	Others	AN- Conf/12 Recommendations	That, the regional response to the Recommendations of the AN-Conf/12, in APANPIRG/25/WP09/Appendix A and flimsy 2 be adopted as guidance for consideration by the States.	ICAO APAC Office	State letter	11/1/2014	COMPLETE T 8/9.1:AP165/14 (CNS) 03 December 2014	Noted	In force	

APANPIRG/25	2014	C 25/28 A & B	AFS	AMHS Naming Registration Procedure and Form	That, the States/Administrations be urged to follow the AMHS Naming Registration procedure as follows: a) The AMC Network Inventory Form and the Major Change Form - Pro forma for modification of AMHS MD Identifier and/or Addressing Scheme, provided in the APANPIRG/25/WP09 Appendix E1 and Appendix E2 be used; b) The Asia/Pacific AMHS Naming Registration Form no longer be used; and c) For NSAP addresses in AMC Information Form, insert a value of "91" for byte 5 of an NSAP address following instruction given in the Third Edition of the ASIA/PAC ATN Network Service Access point (NSAP) Addressing Plan.	ICAO APAC Office	State letter	10/1/2014	COMPLETE T 8/2.11, T 8/2.13 & T 8/10.10:AP150114 (CNS) 09 October 2014	Noted	In force	Updated from 15/13, 16/25
APANPIRG/25	2014	C 25/29 A & B	AFS	Proposal for Amendment to the Regional Air Navigation Plan FASID CNS Tables	That, Table CNS 1A, Table CNS 1B and Table CNS 1C of Regional ANP (Doc 9673 Vol. II) be amended in accordance with the established procedure based on information provided in APANPIRG/25/WP09 Appendices F, G and H.	ICAO APAC Office	Tables CNS 1A, Table CNS 1B and Table CNS 1C of Regional ANP (Doc 9673 Vol. II) published on ICAO APAC website	10/1/2014	COMPLETE APAC 15/05 AP018/15 (CNS) APAC 15/06 AP019/15 (CNS) APAC 15/07 AP020/15 (CNS) PIA dated 03 February 2015	Noted	Not Applicable, please refer to the latest version	Updated from 9/37, 10/27, 12/14, 13/14, 13/22, 14/18, 15/17, 15/18, 15/19, 15/20, 15/24, 16/27, 16/34, 16/37, 17/22, 18/26, 19/22, 20/30, 20/53, 22/17 Please refer to the e-ANP
APANPIRG/25	2014	C 25/30 A & B	AFS	Change of AMHS/SITA Interconnection Architecture	That, States/Administrations concerned in the APAC Region consider coordination with SITA for upgrading those existing interconnection between ANSPs and SITA using AMHS/SITA Interconnection Architecture Document provided in APANPIRG/25/WP09 Appendix I.	ICAO APAC Office	State letter	10/1/2014	COMPLETE T 8/2.11, T 8/2.13:AP157/14 (CNS) 10 Nov. 14	Noted	In force	
APANPIRG/25	2014	C 25/31 A & B	AFS	CRV (Common Regional VPN Task Force) Cost Benefit Analysis	That, the 1st iteration of the CRV Cost Benefit analysis provided in APANPIRG/25/WP09 Appendix J be adopted and distributed to States/Administrations for their reference	ICAO APAC Office	State letter	9/1/2014	COMPLETE T 8/2.11 & T 8/10.21:AP153/14 (CNS) 05 November 2014	Noted	Not Applicable, please refer to the latest version	
APANPIRG/25	2014	D 25/32 A & B	AFS	Terms of Reference of the APAC Aeronautical Common Regional VPN Task Force (CRV TF)	That, the Terms of Reference of the APAC Aeronautical Common Regional VPN Task Force (CRV TF) at APANPIRG/25/WP09 Appendix L be adopted.	ICAO APAC Office	State letter	10/1/2014	COMPLETE T 8/2.11 & T 8/10.21:AP149/14	Noted, ANC urges the PIRG to ensure the ICD takes account of future concepts such as AFS	Group Dissolved	
APANPIRG/25	2014	C 25/33 A & B	AFS	CRV Concept of Operations (CONOP)	That, a) the initial Concept of Operation (CONOP) for the APAC CRV provided in APANPIRG/25/WP09 Appendix M be adopted as version 1; and b) States/Administrations be urged to consider the initial Concept of Operations for the APAC CRV.	ICAO APAC Office	State letter Concept of Operations for the APAC CRV commented	September 2014 December 2014	COMPLETE T 8/2.11 & T 8/10.21:AP149/14 (CNS) 13 October 2014	Noted	In force	
APANPIRG/25	2014	C 25/34 A & B	AFS	Aeronautical Common Regional Virtual (CRV) Private Network in APAC Stage 1	That, a) Considering the number of States/Administrations (Australia, Fiji, France, Hong Kong, China, India, Japan, Macao China, Malaysia, New Zealand, Philippines, Singapore, Thailand, and USA) that expressed interest to date (10 September 2014) to be Pioneer Parties and sign the MSA; b) Considering the favorable Cost Benefit for CRV operations as a major enabler for achieving GANP 4th edition roadmap; i) The Management Service Agreement (MSA) provided in APANPIRG/25/WP09, flimsy 1, Appendix B be adopted, pending some finer adjustments; ii) States/Administrations in APAC Region which have not expressed interest be urged to become Pioneer Parties before 14 November 2014 or join for Stage 2; iii) States/Administrations sign the MSA before 15 December 2014 and transfer the necessary funds to ICAO TCB for its services before 31 January 2015. iv) CRV Pioneer States be recommended to plan a provisional budget of USD20,000 with the view of funding on an equal basis the cost of TCB services in Stage 1 of the CRV project.	1. ICAO APAC Office 2. States	1. State Letter 2. Sign the MSA before 15 December 2014, plan a provisional budget of USD20,000 with the view of funding on an equal basis the cost of TCB services in Stage 1 of the CRV project and transfer the necessary funds to ICAO TCB for its services before 31 January 2015	October 2014 January 2015	COMPLETE T 8/2.11 & T 8/10.21:AP153/14 (CNS) 05 November 2014 January 15 : 16 States signed the MSA	Noted	Task Completed	
APANPIRG/25	2014	C 25/35 A & B	Automation	Adoption of Pan Regional ICD for AIDC	That, the Pan Regional ICD for AIDC provided in APANPIRG/25/WP09, Appendix O, be adopted as Version 1.0 serving as regional guidance for AIDC implementation in the APAC and NAT Regions.	ICAO APAC Office	State letter Pan Regional ICD for AIDC published on ICAO APAC website	10/1/2014	COMPLETE T /3.5:AP163/14 (CNS) 25 November 2014	Noted	In force	
APANPIRG/25	2014	D 25/36 A & B	Automation	Dissolving Inter-regional AIDC Task Force	That, once Version 1 of the Pan Inter-regional ICD for AIDC is adopted by both APAC and NAT Regions, the Inter-regional AIDC Task Force established through NAT SPG Conclusion 48/28 and APANPIRG Conclusion 23/20 be dissolved	ICAO APAC Office	State letter	11/1/2014	COMPLETE T /3.5:AP163/14 (CNS) 25 November 2014	Noted	Group Dissolved	
APANPIRG/25	2014	D 25/37 A & B	Automation	AIDC Implementation Task Force	That, the AIDC Implementation Task Force be established with Terms of Reference provided in APANPIRG/25/WP09, Appendix D.	ICAO APAC Office	State letter	12/1/2014	COMPLETE T 3.5:AP008/15 (CNS) 1/20/2015	Noted	Group Dissolved	
APANPIRG/25	2014	C 25/38 A & B	Automation	Harmonization for AIDC Implementation	That, States/Administrations in the APAC Region be urged to share their implementation plans and experiences with concerned States for an expeditious AIDC implementation in a harmonized and timely manner.	ICAO APAC Office	State letter	12/1/2014	COMPLETE T 3.5:AP008/15 (CNS) 20 January 2015	Noted	In force	
APANPIRG/25	2014	C 25/39 A & B	Navigation	Navigation Strategy for the Asia/Pacific Region	That, the revised navigation strategy provided in APANPIRG/25/WP09, Appendix Q be adopted for the Asia/Pacific Region.	ICAO APAC Office	Revised navigation strategy published on ICAO APAC website	9/1/2014	COMPLETE T8/4.13:AP148/14 (CNS) 02 October 2014	Noted	Not Applicable, please refer to the latest version	
APANPIRG/25	2014	C 25/40 A & B	Surveillance	Revised ADS-B Implementation and Guidance Document	That, the revised ADS-B Implementation and Guidance Document (AIGD) provided in APANPIRG/25/WP09, Appendix T (including T2) be adopted.	ICAO APAC Office	Revised ADS-B Implementation and Guidance Document (AIGD) published on ICAO APAC website	9/1/2014	COMPLETE T 8/10.21 :AP146/14 (CNS) 01 October 2014	Noted	Not Applicable, please refer to the latest version	

APANPIR G/25	2014	C 25/41 A & B	Surveillance	Flight Plan Item 10 ADS-B Indicators	That, ICAO be invited to consider to amend relevant contents in Doc 4444 PANS/ATM Appendix 2 (A2-7) and Appendix 3 (A3-13) as shown below: E Transponder — Mode S, including aircraft identification, pressure-altitude and extended squitter (ADS-B out) capability L Transponder — Mode S, including aircraft identification, pressure-altitude, extended squitter (ADS-B out) and enhanced surveillance capability B1 ADS-B with dedicated 1 090 MHz ADS-B “out” capability using 1 090MHz extended squitter. B2 ADS-B with dedicated 1 090 MHz ADS-B “out” and “in” capability using 1 090MHz extended squitter. - In this recommended amendment, there was duplication of indication of ADS-B carriage for aircraft where the Mode S transponder was the transmission device. - This recommendation would be unlikely to require significant changes to ATM systems; the descriptors were unchanged but their interpretation was clarified. Some adaptation changes could be required where ANSPs were currently using the descriptors as triggers for system processing such as controller HMI indications. - Changes to flight planning systems would be required in cases where the text associated with each descriptor was provided for pilot reference and to individual States’ AIP where ICAO DOC 4444 flight planning requirements were repeated.	ICAO APAC Office	IOM to HQ	1/1/2015	COMPLETE ANC asked Secretariat to follow up. IOM reminder sent on 1 April 15 Action by HQ- ADS B indicators in Item 10 of the ICAO Flight Plan will be reviewed with the expectation that any amendments will become applicable in Nov 2018.	Noted	In force	
APANPIR G/25	2014	C 25/42 A & B	Surveillance	Regulations for Compliance of ADS-B Transmissions	That, States be urged to implement regulations to give effect to Regional Supplementary Procedure Serial APAC-S12/10 – MID/Asia 5-3 to ensure that all aircraft transmitting ADS-B are compliant with the standards.	ICAO APAC Office	State letter	October 2014 June 2015	COMPLETE T8/10.21:AP158/14 (CNS) 13 November 2014	Noted	In force	
APANPIR G/25	2014	C 25/43 A & B	AFS	Promote Understanding of AFS in APAC Region	That, recognizing AFS as a building block of ASBU Block 1 and 2 modules, ICAO be invited to promote understanding of AFS through organizing seminars/workshops with focus on both technical and operational aspects for AFS development in the Asia Pacific Region.	ICAO APAC Office	Regulations implemented Organized seminars/workshops with focus on both technical and operational aspects for AFS development in the Asia Pacific Region	6/1/2016	COMPLETED AFS workshop was conducted from 16 to 18 May 2016.	Noted	In force	
APANPIR G/25	2014	D 25/44 A & B	Navigation	APANPIRG Performance-based Navigation Implementation Coordination Group (PBNICG)	That, the APANPIRG Performance-based Navigation Implementation Coordination Group (PBNICG) be established and its Terms of Reference provided in Appendix A be adopted.	ICAO APAC Office	State letter	11/1/2014	COMPLETE RT3/5- AP169/14 (RSO) 15 Dec.14	Noted	In force	
APANPIR G/26	2015	C 26/2 A & B	Others	Adoption of the ASIA/PAC eANP	That, the following text parts and tables for Volume I and Volume II of the APAC e-ANP be endorsed and Volume III is adopted and invite ICAO to process the PAs (Proposal for Amendments) for Volume I and Volume II of e ANP in accordance with the established procedures: a) In AOP field: Appendices A and B to WP/6; b) In ATM field: Appendices E, G, H, K, L and P to WP/7; c) In CNS field: Appendices R1, R2, R3, S1, S2, S3, S4, S5, S6 and S7 to WP/9; d) In MET field: Appendices B & C to WP/10 plus updates provided in Flimsy no 1.	ICAO APAC Office	PAs	12/1/2015	COMPLETE P/A for Vol I circulated in T11/2.1- AP0170/15 dt 10 December 2015 P/A for Vol II circulated in T11/2.1- AP010/16 dt 18 January 2016 P/A for volume I and II approved.		Task Completed	
APANPIR G/26	2015	C 26/29 A & B	AFS	Revised AMHS Naming Plan	That, the revised AMHS Naming Plan provided in Appendix B to WP/9 is adopted.	ICAO APAC Office	State Letter and publishing on APAC Web.	9/1/2015	COMPLETE State Letter Ref.: T 8/2.11, 8/2.13 & 8/10.10 —AP145/15 (CNS) dated 24 September 2015		In force	Updated from 16/25
APANPIR G/26	2015	C 26/30 A & B	AFS	Second Iteration of CRV Cost Benefit Analysis (based on RFI)	That, the second iteration of the CRV Cost Benefit Analysis provided in Appendix C (with password to access) to WP/9 is adopted and distributed to States/ Administrations for their reference.	ICAO APAC Office	State Letter	9/1/2015	COMPLETE State Letter Ref.: T 8/3.5 —AP148/15 (CNS) dated 6 October 2015		In force	
APANPIR G/26	2015	C 26/31 A & B	AFS	CRV preliminary Safety Analysis	That, CRV Participating States/Administrations be urged to consider the CRV safety specified in the CRV Preliminary Safety Analysis v1.0 provided in Appendix D to WP/9 as a basis for their local safety case, perform their local safety case, and report to CNS SG.	ICAO APAC Office	State Letter States concerned Report of result	September 2015 July 2016	COMPLETE State Letter Ref.: T 8/3.5 —AP148/15 (CNS) dated 6 October 2015		In force	
APANPIR G/26	2015	C 26/32 A & B	AFS	CRV Cost Arrangement Framework	That, noting that cost arrangements on current telecommunications exist between some States/Administrations and considering the result of the second iteration of the CRV Cost Benefit Analysis, APAC States/Administrations be advised to: - make their own local Cost benefit analysis as needed; - start discussions of possible new or improved cost arrangement frameworks with other ICAO Member State(s)/Administration(s), based on the Request For Information results; and - endeavor to establish arrangements for mid 2016.	ICAO APAC Office	State Letter States concerned Report status of arrangements	September 2015 July 2016	COMPLETE State Letter Ref.: T 8/3.5 —AP148/15 (CNS) dated 6 October 2015		In force	
APANPIR G/26	2015	C 26/33 A & B	Automation	Recommendations for AIDC Implementation	That, a list of recommendations provided in Appendix E to WP/9 is adopted and distributed to States/Administrations for AIDC Implementation guidance.	ICAO APAC Office	State Letter	10/1/2015	COMPLETE State Letter Ref.: T 8/3.5 —AP147/15 (CNS) dated 23 September 2015		In force	

APANPIRG/26	2015	C 26/34 A & B	Automation	Use of Pan regional ICD for AIDC	That, States/Administrations in the Asia/Pacific Regions are encouraged to use the Pan Regional ICD for AIDC for any planned new ATM automated system or updating ATM automated systems for AIDC function.	ICAO APAC Office	State Letter	10/1/2015	COMPLETE State Letter Ref.: T 8/3.5 —AP147/15 (CNS) dated 23 September 2015		In force	
APANPIRG/26	2015	C 26/35 A & B	Navigation	PBN in a page	That, the PBN-in-a-page document provided in Appendix 1A to the Report under Agenda Item 3.4 is adopted as a regional supporting material and published on the ICAO Regional Office's website.	ICAO APAC Office	State Letter	10/1/2015	COMPLETE State Letter Ref.: T 8/5.1 - AP015/16 (CNS) dated 20 January 2016		Not Applicable, please refer to the latest version	
APANPIRG/26	2015	C 26/36 A & B	Navigation	PBN Procedure Safety Assessment Checklist and Record of Hazard Template	That, the PBN Procedure pre-implementation Safety Assessment Checklist and Record of Hazard Template provided in Appendices 1B and 1C to the Report under Agenda Item 3.4 are adopted as regional supporting materials and published on the ICAO Regional Office's website.	ICAO APAC Office	State Letter	10/1/2015	COMPLETE State Letter Ref.: T 8/5.1 - AP015/16 (CNS) dated 20 January 2016		In force	
APANPIRG/26	2015	C 26/37 A & B	Navigation	Need for ionospheric models in the APAC Region	That, considering that extreme ionospheric gradients were observed in parts of APAC Region through data collection, the need for GBAS threat model is confirmed.	ICAO APAC Office	Information to ISTF & CNS SG	7/1/2016	COMPLETE ISTF/6 was informed in January 2016 and CNS SG in July 2016.		In force	
APANPIRG/26	2015	C 26/38 A & B	Navigation	Standard for exchange and sharing of GNSS data in the APAC Region	That, considering the need for sharing GNSS data to study the ionospheric effects on navigation systems, the SCINTEX and GTEX Formats are adopted as ICAO APAC standard for exchange of GNSS data and these formats be posted on the ICAO APAC Regional Website.	ICAO APAC Office	Letter to States concerned	11/1/2015	COMPLETE State Letter Ref.: T 8/5.10 - AP024/16 (CNS) dated 25 January 2016		In force	
APANPIRG/26	2015	C 26/39 A & B	Navigation	Revised Navigation Strategy for the Asia/Pacific Region	That, the revised Navigation Strategy for APAC Region provided in Appendix G to WP/9 is adopted.	ICAO APAC Office	State Letter & publication on APAC Web.	10/1/2015	COMPLETE State Letter Ref.: T 8/5.1 - AP015/16 (CNS) dated 20 January 2016		Not Applicable, please refer to the latest version	
APANPIRG/26	2015	C 26/40 A & B	Surveillance	Amendment to ADS-B Implementation and Operations Guidance Document (AIGD)	That, the consolidated amendment to the AIGD provided in Appendix H to WP/9 is adopted.	ICAO APAC Office	State Letter & publication on APAC Web.	10/1/2015	COMPLETE State Letter Ref.: T 8/10.21 – AP146/15 (CNS) dated 24 September 2015		Not Applicable, please refer to the latest version	
APANPIRG/26	2015	C 26/41 A & B	Surveillance	Approval and Monitoring Requirements for Operation using ADS-B	That, States: a) do not require operational approval for the operational use of ADS-B OUT by ATC; b) note that operational approval may be required for ADS-B IN applications where there is a safety case; c) monitor ADS-B transmissions from aircraft and take action to ensure compliance with Regional Supplementary Procedure MID/ASIA Section 5.5; and d) provide capabilities to either: - reject ADS-B data from aircraft which are known to transmit misleading ADS-B data until corrective actions have been successfully conducted; or - implement procedures to ensure that such aircraft are safely managed.	ICAO APAC Office	State Letter	10/1/2015	COMPLETE State Letter Ref.: T 8/10.21 – AP154/15 (CNS) dated 2 10/1/2015		In force	
APANPIRG/26	2015	C 26/42 A & B	Surveillance	Template for Promulgation of ADS-B Avionics Equipage Requirements	That, based on APANPIRG Conclusion 20/54, States intending to implement ADS-B based surveillance service for a defined airspace and having not published regulations be urged to promulgate mandating rules for ADS-B Avionics Equipage Requirements as soon as possible using the following template: On and after dd/mm/yyyy, if an aircraft operates on airways (insert routes).....at or above FLXXX.....(or in defined airspace boundaries at or above FLXXX); the aircraft must carry serviceable 1090 MHz ES ADS-B transmitting equipment that has been certificated as meeting EASA AMC 20-24, or FAA AC No. 20-165A – Airworthiness Approval of ADS-B, or meets the equipment configuration standards in Appendix XI of Civil Aviation Order 20.18 of the Civil Aviation Safety Authority of Australia. Note: This Conclusion supersedes APANPIRG Conclusion 21/39 (i.e. removes any requirement for operations approval)	ICAO APAC Office	State Letter	10/1/2015	COMPLETE State Letter Ref.: T 8/10.21 – AP154/15 (CNS) dated 2 10/1/2015		Not Applicable, please refer to the latest version	
APANPIRG/26	2015	C 26/43 A & B	Surveillance	Guidelines for Airworthiness Approval for ADS-B Avionics Equipage	That, States be advised to use the guidelines provided in Appendix 1 to WP/9 for Airworthiness Approval for ADS-B OUT Avionics Equipage. Note: This Conclusion supersedes APANPIRG Conclusion 21/40	ICAO APAC Office	State Letter	10/1/2015	COMPLETE State Letter Ref.: T 8/10.21 – AP154/15 (CNS) dated 2 10/1/2015		In force	Updated from 21/40
APANPIRG/26	2015	C 26/44 A & B	Surveillance	ADS-B OUT Forward Fit Equipage	That, States/Administrations in APAC Region be strongly encouraged to mandate that registered aircraft with a maximum certified take-off mass exceeding 5 700 kg or having a maximum cruising true airspeed capability greater than 250 knots, with a date of manufacture on or after 8 June 2018 (two years after the European forward fitment mandate is effective) be equipped with ADS-B avionics compliant with Version 2 ES (equivalent to RTCA DO260B) or later version.	ICAO APAC Office	State Letter	11/1/2015	COMPLETE State Letter Ref.: T 8/10.21 —AP162/15 (CNS) dated 30 October 2015		Not Applicable, please refer to the latest version	
APANPIRG/26	2015	D 26/45 A & B	Surveillance	Surveillance Implementation Coordination Group	That, the Surveillance Implementation Coordination Group (SURICG) be established with Terms of Reference provided in Appendix K to WP/9.	ICAO APAC Office	State Letter	3/1/2016	COMPLETE State letter Ref.: T 8/10.21 AP026/16 dated 27 January 2016		In force	

APANPIRG/26	2015	C 26/46	AFS	Inter-regional ADS-C Reporting Interval Task Force	That, a) the Terms of Reference of the inter-regional ADS-C Reporting Interval Task Force provided by NAT Implementation Management Group at Appendix M to WP/9 is endorsed; and b) States in Asia/Pacific Regions with experience of ADS-C implementation and in a position to do so, are encouraged to participate in the Task Force to contribute the study.	ICAO APAC Office	State Letter	9/1/2015	COMPLETE State Letter Ref.: T 8/3.5 – AP120/15 (CNS) dated 18 September 2015		Group Dissolved	
APANPIRG/26	2015	C 26/47	Frequency	Strategic planning and tactical use of VHF frequencies in the APAC Region from 2015 onwards	That, the guidance on Strategic planning and tactical use of VHF frequencies in the APAC Region from 2015 onwards provided in Appendix ID to the Report under Agenda Item 3.4 is adopted.	ICAO APAC Office	State Letter	12/1/2015	COMPLETE State Letter Ref.: T 8/8.7 - AP018/16 (CNS) dated 20 January 2016		In force	
APANPIRG/26	2015	C 26/48	Frequency	Transition to the new global database	That, considering that Frequency Finder and the global database were a necessary toolkit for efficient frequency management across ICAO Regions, and training on using it is needed, a) ICAO be invited to secure the resources to maintain the tool and organize a seminar/workshop on Frequency Finder in 2016; b) States secure the attendance of their Subject Matter experts to the Seminar/workshop.	ICAO APAC Office	State Letter	12/1/2015	COMPLETE The Frequency Finder (FF) Workshop scheduled for 18 to 21 October 2016. The Conclusion is considered completed. Transition to the FF would commence from Dec.16 onwards		Task Completed	
APANPIRG/26	2015	C 26/49	Frequency	Assignment of back up frequencies in APAC Region	That, considering that the assigned number of backup frequencies should be kept to a minimum, 1) the guidance material placed at Appendix N to WP/9 is adopted as regional guidance; 2) States/Administrations requiring back up frequencies, where operationally feasible: - share backup frequencies either between different services (at the same ATC center) or between different facilities (e.g. different aerodromes or different APP/ACC/FIS serves from different ATC centers); - follow the regional guidance for the backup frequencies to be assigned; and - re-coordinate the backup frequencies already assigned as necessary.	ICAO APAC Office	State Letter	12/1/2015	COMPLETE State Letter Ref.: T 8/8.7 - AP018/16 (CNS) dated 20 January 2016		In force	
APANPIRG/26	2015	C 26/50	Frequency	Amendment to the APAC frequency allotment plan	That, considering the effect of the reduction of the guard band around the frequency 121.500 MHz and the four new channels that can be used for ATC communications and the necessity to map services previously defined in APAC Region under ASIA/PAC/3 RAN meeting Recommendation 11/4, a) the frequency allotment plan for the APAC Region be modified as follows: Current allotment Current frequency band New frequency band APP-I 121.100 – 121.400 MHz 121.100 – 121.450 MHz AS (aerodrome surface) 121.600 – 121.975 MHz 121.550 – 121.975 MHz b) coordination be undertaken with ICAO HQ to update the ICAO Doc 9718 Volume II accordingly. c) the mapping between the services and designated operational coverages previously defined in APAC Region under ASIA/PAC/3RAN Meeting Recommendation 11/4 and those defined in the global Database as per Appendix O to WP/9 is adopted.	ICAO APAC Office	State Letter IOM to HQ	December 2015 Revised target date- December 2016	COMPLETED This newly released four new channels around 121.500 MHz has been made available for APP-I and SMC functions in the FF tool. The proposed consequential changes have been reflected in updated Doc 9718 Vol II dated 29 Sep.2017 on a global basis.		In force	
		D 26/65	Others	Revised APANPIRG Structure, Terms of Reference and APANPIRG Sub Group Empowerment	That, in accordance with APANPIRG Decision 25/50, and to promote a more project management-driven approach to regional air navigation planning and implementation which is guided by and aligned with regional priorities and the Global Air Navigation Plan/ASBU Strategy: a) the new structure of the APANPIRG and its Sub Groups is adopted as presented in Appendix B to the Report on Agenda Item 5; b) the revised Terms of Reference of APANPIRG Sub Groups placed at Appendix C to the Report on Agenda Item 5 is adopted; c) to enhance the efficiency of APANPIRG approval process, the Sub Groups are empowered to adopt Conclusions and Decisions on technical matters (especially those concerning guidance to States in the implementation of ICAO SARPs, GANP, RANP, Seamless ATM Plan) that do not have additional economic, environmental or political effects, which should be considered at a higher level at APANPIRG; and d) the APANPIRG Procedural Handbook be amended in accordance with the new APANPIRG Structure, Terms of Reference, project management principles [Appendix D to the Report on Agenda Item 5] and procedures to be followed for the processing of Sub Group-endorsed Conclusions and Decisions. Note: (1) the new structure of APANPIRG Sub Groups, revised Terms of Reference and empowerment shall become effective from 2017 meeting year with 2016 being used for transitional arrangement; the empowerment would be subject to further review in 2018 based on the experience gained in 2017; and (2) the amendment to the APANPIRG Procedural Handbook shall be submitted to APANPIRG/27 for endorsement.	ICAO APAC Office	State Letter	11/1/2015	COMPLETE State Letter Ref.: AN 3/3 – AP141/15 (AGA) dated 22 September 2015		Not Applicable, please refer to the latest version	
APANPIRG/27	2016	C 27/1	Others	Mobilization of human / financial resources to achieve the Seamless ATM Plan objectives	That, States/Administrations not achieving the expected implementation progress of regional priorities for Air Navigation Systems, should: a) give highest priority to the implementation of regional priorities and provide human/financial resources to CAAs and ANSPs to complete Seamless ATM phase 1 implementation; and b) mobilize human and financial resources to plan for timely implementation of phase 2 and phase 3 elements assessed as relevant by their national gap analysis.	ICAO APAC APAC States;	State Letter Action in accordance with the conclusion	10/1/2016	State Letter COMPLETED T 8/5.15:AP100/16 (CNS)		In force	

APANPIRG/27	2016	C 27/16 A & B	Others	Asia/Pacific Seamless ATM Plan Update	That, the draft Seamless ATM Plan as updated in accordance with the 2016 review at APANPIRG/27/WP/7 Attachment D is approved as version 2.0 and uploaded to the ICAO Regional Office website.	ICAO APAC APAC States;	State Letter Post updated Seamless ATM Plan to website	September 2016 September 2016	State Letter COMPLETED Ref: T 3/10.0 – AP134/16 (ATM) Post updated Seamless ATM Plan to website COMPLETED		Not Applicable, please refer to the latest version	
APANPIRG/27	2016	D 27/33 A & B	AFS	Creation of the Common Aeronautical VPN (CRV) Operations Group (CRV-OG)	That, the Common Aeronautical VPN Operations Group (CRV-OG) is established with Terms of Reference provided in Appendix B to APANPIRG/27-WP/9.	ICAO RO	State Letter	9/1/2016	State Letter COMPLETED Ref.: T 8/2.10 & T 8/10.21: AP137/16 (CNS)		In force	
APANPIRG/27	2016	C 27/34 A & B	Flight Procedure	Asia and Pacific Flight Procedure Programme (APAC FPP)	That, considering the benefits derived from APAC FPP support, State not participating in the Asia and Pacific Flight Procedure programme (APAC FPP) may consider joining the programme and if yes, coordinate with the ICAO APAC Regional Office.	ICAO APAC APAC States;	State Letter Action in accordance with the conclusion	9/1/2016	State Letter COMPLETED Ref.: T 8/5.15 AP130/16 (CNS)		In force	Updated from 20/35, 22/23
APANPIRG/27	2016	C 27/35 A & B	Navigation	RNP 2 Implementation Guidance	That, for the implementation of RNP 2: a) States should ensure that all aircraft operators file* the designator 'Z' in item 10 and 'NAV/RNP2' in item 18 to indicate RNP 2 capability until the ICAO flight plan format is amended by ICAO to include RNP 2 (such as by using the flight plan PBN Designator 'P2'); b) ICAO be invited to harmonize the procedure above globally; and c) an equivalence for RNP 2 is recognized if the aircraft is approved for RNAV 2, RNP 1 and GNSS but not approved for RNP2.	ICAO APAC ICAO HQ APAC States	State Letter IOM to HQ Action in accordance with the conclusion	October 16 October 16	State Letter COMPLETED Ref.: T 8/4.13: AP138/16 (CNS)	See paragraph 2.5 in this paper	In force	
APANPIRG/27	2016	C 27/36 A & B	Navigation	Protection of GNSS signal against jamming	That, considering the reported occurrences of jamming of GNSS signal in APAC Region and their effects on safety of civil aviation operations, States are urged to: 1. protect all the Aeronautical Radio Navigation Service (ARNS) frequencies; 2. take proactive measures to educate public about potential consequences of GNSS spoofing and jamming on civil aviation operations; 3. detect and eliminate jamming through an efficient response mechanism, in particular in the vicinity of aerodromes; and 4. continue to report occurrences of GNSS interference and their effects to ICAO APAC Regional Office.	ICAO APAC APAC States	State Letter Action in accordance with the conclusion	10/1/2016	State Letter COMPLETED Ref.: T 8/5.10.1: AP071/17 (CNS)		In force	
APANPIRG/27	2016	C 27/37 A & B	Navigation	Revised Navigation Strategy for the Asia/Pacific Region	That, the revised Navigation Strategy for the Asia/Pacific Region provided in Appendix F to APANPIRG/27-WP/9 is adopted.	APAC States	State Letter	10/1/2016	State Letter COMPLETED Ref.: T 8/5.1: AP143/16 (CNS)		In force	Updated from 22/29, 23/29, 24/41, 25/39, 26/39, 27/37
APANPIRG/27	2016	C 27/38 A & B	Navigation	GBAS safety assessment guidance related to anomalous ionospheric conditions	That, the GBAS safety assessment guidance related to anomalous ionospheric conditions provided in Appendix A to APANPIRG/27-WP/23 is adopted and published on the ICAO APAC website.	ICAO APAC	State Letter Publish on web site	11/1/2016	State Letter COMPLETED Ref.: T 8/5.10.1: AP151/16 (CNS)		In force	
APANPIRG/27	2016	C 27/39 A & B	Navigation	SBAS safety assessment guidance related to anomalous ionospheric conditions	That, the SBAS safety assessment guidance related to anomalous ionospheric conditions provided in Appendix H to APANPIRG/27-WP/9 is adopted and published on the ICAO APAC website.	ICAO APAC	State Letter Publish on web site	11/1/2016	State Letter COMPLETED Ref.: T 8/5.10.1: AP151/16 (CNS)		In force	
APANPIRG/27	2016	C 27/40 A & B	Navigation	Adoption of GBAS Ionospheric Threat Model for APAC Region and publication in Technical journal	That, the APAC GBAS Ionospheric Threat Model provided in Sections 2.1 to 2.4 of APANPIRG/27-WP/23 is adopted and remains the intellectual property of ICAO and be published in the public domain in selected technical journals with the list of author/contributors as per Appendix J to APANPIRG/27-WP/9.	ICAO APAC	State Letter	1/1/2017	State Letter COMPLETED Ref.: T 8/5.10.1: AP021/17 (CNS)		In force	
APANPIRG/27	2016	C 27/41 A & B	Surveillance	Regulators' active support and engagement with ADS-B Implementation and Data sharing	Considering that:- a) any delay in ADS-B deployment and operational use brings risks, liability and additional regulator responsibility as traffic grows in FIRs without surveillance and automated safety nets; and b) the risks in doing nothing whilst continuing to rely on ATC procedures with dependency on voice position reports and lack of automation. States (regulatory authorities) are urged to: - actively engage with ANSPs to support the ADS-B implementation, in particular the examination of risks, hazards, mitigations and benefits; and - support the ADS-B data-sharing and collaboration among States to achieve harmonized implementation for maximizing benefits of ADS-B.	ICAO APAC APAC States	State Letter Action in accordance with the conclusion	10/1/2016	State Letter COMPLETED Ref.: T 8/10.21: AP145/16 (CNS)		In force	
APANPIRG/27	2016	C 27/42 A & B	Surveillance	AIGD Amendments	That, the consolidated amendment to the AIGD provided in Appendix M to APANPIRG/27-WP/9 is adopted.	ICAO APAC	State Letter	10/1/2016	COMPLETED State Letter Ref.: T 8/10.21 : AP144/16 (CNS)		Not Applicable, please refer to the latest version	
APANPIRG/27	2016	D 27/43 A & B	Surveillance	Dissolution of ADS-B Study and Implementation Task Force	That, the ADS-B SITF, having achieved the objective set out in its Terms of Reference, is dissolved.	ICAO APAC	Notify SURICG	6/1/2017	Notified SURICG		Group Dissolved	

APANPIRG/27	2016	C 27/44	A & B	Revised Surveillance Strategy for the APAC Region	That, the revised surveillance strategy for the APAC Region provided in Appendix N to APANPIRG/27-WP/9 is adopted.	ICAO APAC	State Letter	10/16/2022	State Letter COMPLETED Ref.: T 8/5.1:AP143/16 (CNS)		Not Applicable, please refer to the latest version	
APANPIRG/27	2016	C 27/45	A & B	Frequency Preparations for International Telecommunication Union (ITU) World Radio communication Conference 2019 (WRC-19)	That, a) States are urged to: - nominate/reconfirm Contact Focal Points for WRC-19 and inform ICAO APAC Office about their contact details; - consider national and international requirements for aeronautical services identified in Agenda of WRC-19 and develop national positions in line with ICAO Position to ensure the availability and protection of aeronautical spectrum; - support ICAO position for WRC-19 at national and international meetings including APT Preparatory Group for WRC-19. b) ICAO be invited to conduct regional preparatory group meetings for WRC-19 in 2017/2018.	ICAO APAC APAC States;	State Letter Action in accordance with the conclusion	11/1/2016	State Letter COMPLETED Ref.: T 8/10.25 – AP001/17 (CNS)		Task Completed	
APANPIRG/27	2016	D 27/46	A & B	AFS & Navigation & Surveillance Revised TOR of Aeronautical Communication Services Implementation Coordination Group – (ACSICG); Performance Base Navigation Implementation Coordination Group (PBNICG) and Surveillance Implementation Coordination Group (SURICG)	That, the Revised Terms of Reference of ACSICG, PBNICG and SURICG provided in Appendix C to APANPIRG/27-WP/9 is adopted.	ICAO APAC	Notify ACSICG, PBNICG and SURICG	June 2017	COMPLETED/ NOTIFIED		In force	
APANPIRG/27	2016	C 27/47	A & B	ATSEP Workshop on competency-based training and assessment for the Air Traffic Safety Electronics Personnel (ATSEP)	That, a workshop addressing ATSEP competency-based training and assessment be organized in 2017 (or 2018) in APAC Region.	ICAO APAC; 1	Conduct workshop	12/1/2017	COMPLETED Ref.: T 3/9.9:AP163/16 (ATM)	Noted.	Task Completed	
APANPIRG/27	2016	C 27/48	A & B	Others Workshop on development and certification procedures for CNS/ATM Systems	That, a) States/Administrations are encouraged to share their experience and best practices on this subject at the next meeting of the CNS SG. b) The CNS SG is requested, in coordination with interested States, industry partners including ICAO and CANSO, to consider development of procedures and innovative solutions in meeting the needs identified in WP/21 and related discussions of DGCA Conf/52 & 53. c) ICAO is requested to conduct a workshop in 2017 in association with ICAO Technical Cooperation Bureau and the industry partners on sharing the best practices and development of guidance on this subject.	ICAO APAC; APAC States	Conduct workshop Action in accordance with the conclusion	12/1/2017	BEING COMPLETED Ref.: T 8/9.6: AP041/17 (CNS) Workshop was conducted in conjunction with CNS SG/21 on 17th July 2017.	Noted.	Task Completed	
APANPIRG/27	2016	C 27/49	A & B	Others Proposal for amendment to the APAC Regional Air Navigation Plan	That, the proposal for amendment to the APAC Regional Air Navigation Plan, Volume II, Part V – Meteorology, Table MET II-1, Table MET II-2 and Table MET II-3 (provided at Attachment C to APANPIRG/27 WP/10) is endorsed.	ICAO APAC	State Letter (circulation of proposal for amendment of the ANP)	9/1/2016	COMPLETED Endorsed and approved as part of the Proposal for Amendment of the ICAO, Asia and Pacific Regions, Air Navigation Plan, Volume II (Serial No. APAC-II 16/06- AOP/CNS/MET/AIM - Revised)			
APANPIRG/27	2016	C 27/50	A & B	AFS Expedited availability of extended AMHS	That, States are urged to expedite operational status of extended Air Traffic Services (ATS) message handling system (AMHS) services linking APAC Inter-Regional OPMET Gateways (IROGs) and Regional OPMET Centres (ROCs) to APAC National OPMET Centres (NOCs), and between APAC IROGs and IROGs in neighbouring Regions.	ICAO APAC	State Letter	9/1/2016	COMPLETED (S/L Ref.: T 4/6.4 – AP094/17 (MET)) ICAO Secretariat decided to wait for outcomes from ACSICG/4 in order to inform States on appropriate strategy to expedite the operational status of extended AMHS		In force	
APANPIRG/28	2017	C 28/16	A & B	AFS Upgrade AMHS to support IWXXM traffic	That, In order to support the requirement to exchange MET information in IWXXM format, States/Administrations be urged to upgrade AMHS systems (AMHS server and User Agent) by November 2020 to either Extended AMHS or Basic ATS Message Handling Service plus File Transfer Body Parts sub-set of extended AMHS for Binary data exchange (FTBP), functional groups as defined in Doc 9880 Part IIB section 3.4.1.	ICAO APAC APAC States	State Letter with Implementation GM Action in accordance with the Conclusion	30 December 2017 November 2020	T8/2.11: AP050/18 (CNS) 10 May 18 COMPLETED		In force	
APANPIRG/28	2017	D 28/17	A & B	AFS Dissolution of CRV Task Force	Noting that the terms of reference b/ to d/ have been completed and that completion of a/ and e/ will be performed by CRV OG on the basis of mature CRV implementation plan, and CRV Operating Manual, That, the CRV Task Force be dissolved.	ICAO APAC	State Letter	10/1/2017	T8/2.11 - AP139/17 (CNS) 10 Oct.17 COMPLETED		Group Dissolved	
APANPIRG/28	2017	C 28/18	A & B	AFS Revised Strategy for Implementation of Communication systems to support Air Navigation Service	That, the revised Strategy for implementation of Communication systems to support Air Navigation Service provided in Appendix C to the Report on Agenda Item 3.4 is adopted.	ICAO APAC APAC States	State Letter with Implementation GM Action in accordance with the Conclusion	October 2017 Not specified	T8/2.11:AP141/17 (CNS) 17 Oct.17 COMPLETED		Not Applicable, please refer to the latest version	

APANPIR G/28	2017	C 28/19 A & B	AFS	Amendment of the Management Service Agreement for CRV project (RAS14801)	Recognizing that ICAO Technical Cooperation Bureau satisfactorily completed all the defined work items in the initial Management Service Agreement (MSA) and Project Document of RAS14801, that the required payments were settled, and that in end 2016, all the requirements of both parties have been fully completed and closed on record, That, i) all Pioneer States are encouraged to counter-sign the amended Pro Document provided in Appendix D to the Report on Agenda Item 3.4; ii) any Pioneer State not countersigning is entitled to get its share of the remaining fund balance back; and iii) a Pioneer State for which a direct CRV connection is not considered feasible in 2017 by the selected CRV Pioneer vendor is entitled to get its initial contribution in full.	ICAO APAC APAC States CRV Pioneer States	State Letter with Implementation GM Action in accordance with the Conclusion	July 2020 December 2022	<u>20 April 2018</u> <u>Concrete proposal for using unspent fund was discussed in CRV OG/4 and Member states/Administrations were required to provide their views.</u> <u>10 May 2019</u> <u>Based on the outcome of the survey, Decision CRV OG/6/3: the balance of MSA to be used for an independent assessment on the safety and security of the CRV.</u> <u>23 April 2020</u> <u>Further discussion planned for AFSSP WG 2020. AFSSP WG2020 postponed to 2021 due to COVID-19 and cancelled afterwards.</u> <u>15 November 2021</u> <u>Internal discussion among CRV OG chairs, ACSICG chairs, CRV OG secretary, and ICAO TCB were done. It was concluded that amended Pro document named as Appendix D in outstanding conclusion had expired time targets.</u> <u>Therefore, further amendments necessary to the said Appendix D in terms of project duration and remaining fund to be modified and to be presented in the current TCB project document template. No significant changes in the technical clause approved in annexing/28.</u>		In force	
APANPIR G/28	2017	C 28/20 A & B	Automation	Revised ANP Table CNS II APAC-1 – AIDC Implementation Plan	That, the revised Table CNS II APAC-1-AIDC Implementation Plan provided in Appendix E to the Report on Agenda Item 3.4 be amended in accordance with the established procedure.	ICAO APAC	State Letter (circulation of proposal for amendment of the ANP)	12/30/2017	Approved: AN 3/3 – AP038/18 (CNS/MET/AIM) 8 June 18 COMPLETED		In force	
APANPIR G/28	2017	C 28/21 A & B	Navigation	Coding of Asia-Pacific SBAS service provider IDs in the avionics	That, ICAO, with the support of ICCAIA, be urged to: a) coordinate the appropriate coding of Asia-Pacific SBAS service provider IDs in the avionics as early as possible through the implementation of ARINC Nav data specification (revision 21); and b) advise about the advantages and disadvantages to use the SBAS service provider ID 15 currently available with revision 20 as a workaround pending the implementation of a).	ICAO APAC ICAO	IOM to HQ Letter to ICCAIA	October 2017 30 December 2017	Coordinated with NSP. SBAS Service Provider Identifier was included in the draft proposed amendment of Annex 10, Vol I, Appendix B and Attachment D. COMPLETED	To note.	In force	
APANPIR G/28	2017	C 28/22 A & B	Navigation	Establishment of National PBN stakeholders forums	Noting that the insufficient articulation between the regulatory and implementation processes is a major cause for the slow implementation of PBN, a lack of efficiency and an increased risk in operations: That, States be urged to establish a national PBN stakeholders forum (or a similar mechanism) to review and coordinate on an ongoing basis: a) the national PBN implementation and regulatory roadmaps, taking into account the global and regional objectives, the fleet readiness, the best equipped/best served principle, and the reduction of environmental impacts; b) the training policies and programmes for all stakeholders; c) the necessary changes to the legal and regulatory framework; and d) the expected and actual benefits of PBN implementation in terms of safety, efficiency, schedule reliability, CO2 emissions and noise exposure, airport accessibility, and reduced infrastructure costs. The forum should include regulator, ANSP, aerodrome operators, Instrument Flight Procedure Design organizations, all airspace users, and as required communities impacted by noise exposure and carbon emission levels. Note: the PBN implementation plan is an appropriate tool to support such a national coordination; IFSET is an appropriate tool to demonstrate the expected and actual benefits of PBN implementation.	ICAO APAC APAC States	State Letter with Implementation GM Action in accordance with the Conclusion	October 2017 16 March 2018	T 8/5.15-AP140/17 (CNS) 12 Oct. 2017 COMPLETED	To note.	In force	
APANPIR G/28	2017	C 28/23 A & B	Flight inspection	Update of the Catalogue of Flight Validation and Inspection Service providers in Asia and Pacific Region	That, a) States provide their flight validation and inspection unit's capabilities to reflect PBN procedure flight validation and flight inspection capabilities through an ICAO RSO's survey; and b) ICAO Asia and Pacific Regional Office update the Catalogue of Flight Inspection Units Asia and Pacific Regions based on the survey outcomes.	ICAO APAC APAC States ICAO RSO	State Letter with Implementation GM Action in accordance with the Conclusion (a) Action in accordance with the Conclusion (b)	October 2017	T8/2.10 : AP111/17 (CNS) 19 Sep17 COMPLETED		Not Applicable, please refer to the latest version	

APANPIRG/28	2017	C 28/24 A & B	Surveillance	Revised Template for Promulgation of ADS-B Avionics Equipage Requirements	That, States intending to implement ADS-B based surveillance service for a defined airspace and having not published regulations be urged to promulgate mandating rules for ADS-B Avionics Equipage Requirements as soon as possible using the revised Template provided in Appendix F to the Report on Agenda Item 3.4; States that have implemented ADS-B based surveillance services are also urged to update their ADS-B avionics equipage requirements to align with the template; Note: States are urged to include at least the standards stated in the template. States may include other standards allowed by the State's regulations. The template adopted under Conclusion APANPIRG/26/42 be superseded by the revised template; and The relevant parts in the ADS-B Implementation and Operations Guidance Document (AIGD) be updated accordingly.	ICAO APAC APAC States ICAO APAC	State Letter with Implementation GM Action in accordance with the Conclusion Update the relevant parts of AIGD	October 2017 1) and 2): With sufficient lead time before mandate so that operators can equip 30 December 2017	AP028/18 (CNS) 9 Mar. 18 July 2017 T 8/10.21 : AP085/17 (CNS) 08 August 2017 on revised AIGD COMPLETED		Applicable	Updated from 16/36, 17/25, 18/33, 22/31, 23/32, 24/41, 25/40, 26/40, 27/42; 21/39, 26/42
APANPIRG/28	2017	C 28/25 A & B	Surveillance	Regional Supplementary Procedures for ADS-B Operation	That: the Proposal for Amendment (PfA) to the Regional Supplementary Procedure (SUPP Doc 7030) be processed in accordance with established procedure, based on information provided in Appendix G to the Report on Agenda Item 3.4; and ICAO be requested to coordinate the PfA as required, with the objective of achieving inter-regional alignment of requirements for Operation of ADS-B.	ICAO APAC	State Letter (circulation of Proposal for Amendment of the Regional Supplementary Procedure (SUPP Doc 7030)) with Implementation GM	10/1/2017	The approved PFAs were circulated to States on 18 June 2020 through a State Letter with reference: T8/11.2 – AP130/20 (CNS), COMPLETED		Task Completed	Updated from 22/36
APANPIRG/28	2017	D 28/26 A & B	AFS	Dissolution of APAC/NAT ADS-C reporting intervals Task Force	That, noting that the assigned tasks having been completed and proposals for amendment to ICAO relevant document being forwarded to appropriate ICAO groups for consideration, the APAC/NAT ADS-C reporting intervals Task Force is dissolved.	ICAO APAC	State Letter (Notify to Members of the TF)	10/1/2017	T/3.5: AP138/17 (CNS) 10 Oct. 2017 COMPLETED		Group Dissolved	
APANPIRG/29	2018	C 29/7 A & B	Navigation	Transition Planning for RNP APCH CHART Identification from RNAV to RNP	Recognizing ICAO Circular 353, Transition Planning for Change to Instrument Flight Procedure Approach Chart Identification from RNAV to RNP will be finalized to provide guidance on the development of global, regional and State transition plans, and ICAO Regional Office is requested to develop a draft transition plan within twelve months of the final publication of the Circular, that: a) States begin internal coordination on the State transition plan and provide the number of RNP APCH procedures published and planned, and the time required to transition from RNAV (GNSS)/RNAV (RNP) to RNP chart identification; b) ICAO Regional Office drafts a regional transition plan on RNP APCH chart identification in coordination with relevant regional contributory bodies of APANPIRG, sub-regional ATM coordination groups and regional stakeholders; and c) ICAO Regional Office conducts a meeting or workshop to discuss the regional transition plan, after a regional transition plan template has been provided by the ICAO PBN Programme Office.	ICAO APAC RO APAC States ICAO APAC RO/RSO ICAO APAC RO/RSO	State Letter Action in accordance with the Conclusion Regional transition plan on RNP APCH chart Meeting or workshop to discuss the regional transition plan (with PBNICG/6)	31 October 2018 31 August 2018 31 October 2018 31 October 2018	Ref.: T 3/10.0 – AP154/18 (ATM) dated 20 November 2018 Draft developed and submitted at PBNICG/6 on 23 – 26 April 2019, Bali, Indonesia. Held in conjunction with PBNICG/6 COMPLETED	--	Not Applicable, please refer to the latest version	
APANPIRG/29	2018	C 29/8 A & B	Surveillance	Proposal for amendment to PANS-ATM (Doc4444) on ADS-B related Phraseology	Recognizing that: 1. where system functionality is derived from the same source for both MODE S SSR and ADS-B the phraseology used between ATC and pilots should be the same; 2. in almost all cases, the pilot interfaces with the ADS-B system through the SSR transponder interface; and 3. the use of ADS-B-specific phrases may cause confusion between pilots and ATC; ICAO be invited to amend PANS-ATM to remove the following phrases: 12.4.3.5 "RE-ENTER ADS-B AIRCRAFT IDENTIFICATION" 12.4.3.7 "TRANSMIT ADS-B IDENT" 12.4.3.10 "STOP SQUAWK TRANSMIT ADS-B ONLY" or "STOP ADS-B TRANSMISSION, SQUAWK (CODE) ONLY" 12.4.3.11 "TRANSMIT ADS-B ALTITUDE" 12.4.3.13 "STOP ADS-B ALTITUDE TRANSMISSION [(WRONG INDICATION, or reason)]"	ICAO APAC RO ICAO HQ	IOM	10/31/2018	Ref. T 3/10.0, T 3/10.1 – AP152/18 (ATM) 14 November 2018 COMPLETED	To take action	Task Completed	
APANPIRG/29	2018	C 29/16 A & B	AFS	Using IPS Routers between BBIS Administrations	That, utilize IPS router and encourage to phase out X.25 and IP SNDCF (ATN) router by allowing IPS routers to inter-connect between BBIS Administrations when CRV or other international IP networks being utilized.	ICAO APAC RO APAC States	State Letter	10/31/2018	SL Ref.: T 8/2.11 – AP106/18 (CNS) 27 Sept. 2018 COMPLETED	--	In force	
APANPIRG/29	2018	C 29/17 A & B	AFS	Revised Strategy for Implementation of Communication systems to support Air Navigation Service	That, the revised Strategy for implementation of Communication systems to support Air Navigation Service provided in Appendix A to the Report on Agenda Item 3.4 be adopted.	ICAO APAC RO	Posted on APAC Website and State letter to notify States	10/31/2018	SL Ref.: T 8/5.1 - AP107/18 (CNS) 1 Oct. 2018 COMPLETED	--	In force	Updated from 28/18

APANPIRG/29	2018	C 29/18	Frequency	Support allocation of radio spectrum for space based VHF communications	That, a) States and ICAO be invited to initiate and support the ITU application process of allocating an appropriate aeronautical VHF frequency band for space-based aeronautical mobile communication service for WRC-2023; b) States and ICAO be invited to take note of the potential benefits of space-based VHF aeronautical mobile communication service to enhance safety, capacity and efficiency of air navigation services by supporting the Proof-of-Concept tests; and c) ICAO is invited to assign three aeronautical VHF channels for the duration of the Proof-of-Concept tests.	ICAO APAC RO APAC States ICAO APAC RO	State Letter To support in accordance with the Conclusion	31 December 2018 July 2019 May 2019	Included in latest ICAO position for ITU WRC2019 approved by the Council. States through their focal point of contact were requested to support ICAO position at regional forum APT/APG and WRC. COMPLETED	Action taken	In force	
APANPIRG/29	2018	C 29/19	Navigation	PBN-IN-A-PAGE (Version 2.0)	That, a) The PBN-in-a-page (Version 2.0) in Appendix B to the Report on Agenda Item 3.4 be adopted as a regional supporting material and be published on the ICAO Regional Office website. Note – The contents of the PBN-in-a-page was extracted from ICAO documents including Doc 9613, Doc 8168 Vol. II, Doc 4444, and Annex 15. The PBN-in-a-page should be used as a quick reference during PBN airspace designing and PBN implementation planning. b) ICAO Regional Office forward the PBN-in-a-page (Version 2) to the relevant Panels and Study Groups for their information and consideration.	ICAO APAC RO ICAO APAC RO/RSO	Posted on ICAO APAC Website State letter to notify States Forward the PBN-in-a-page (Ver. 2) to the secretariat of relevant Panels and Study Groups	10/31/2018	SL Ref.: T 8/5.1 – AP136/18 (CNS) 26 Oct. 2018 COMPLETED Noted by the PBN Study Group	To note.	In force	Updated from 26/35
APANPIRG/29	2018	C 29/20	Navigation	Ground Based GNSS Status Monitoring	Recognizing that the availability of GNSS is crucial for GNSS based PBN procedures, that the performance of GNSS on the ground may be different from that in the aircraft, and that the States should determine essential radio navigation services for GNSS based approach, landing or take-off, which require timely warnings on the GNSS status to ATC services, That, States be urged to: a) define the essential radio navigation services for GNSS based operations; b) be aware that requirement for air traffic controllers to provide real time GNSS status monitoring to aircraft for GNSS ABAS procedures may not be required; c) ensure that GNSS/RAIM unavailability prediction be provided to users; d) ensure that pilot reports as far as practical on GNSS status should be provided to ATC for dissemination to other aircraft as real time GNSS information; and e) reflect their operational procedures within AIC and/or AIP.	ICAO APAC RO APAC States	State Letter Action in accordance with the Conclusion	12/31/2018	SL Ref.: 8/5.10 – AP137/18 (CNS) 26 Oct. 2018 COMPLETED	--	In force	
APANPIRG/29	2018	C 29/21	Surveillance	Revised ADS-B Version 2 ADS-B Out Forward Fit Equipage	Review APANPIRG Conclusion 26/44 regarding fitment of Version 2 ES ADS-B, to revise the applicable date as per the below: That, States/Administrations in APAC Region be strongly encouraged to mandate that registered aircraft with a maximum certified take-off mass exceeding 5 700 kg or having a maximum cruising true airspeed capability greater than 250 knots, with a date of manufacture on or after 1 January 2020 be equipped with ADS-B avionics compliant with Version 2 ES (equivalent to RTCA DO-260B) or later version.	ICAO APAC RO APAC States	State Letter Action in accordance with the Conclusion	10/31/2018	SL Ref.: T 8/10.21 – AP108/18 (CNS) 27 Sept. 2018 COMPLETED	--	In force	Updated from 26/44
APANPIRG/29	2018	C 29/22	Surveillance	Survey on Surveillance and DCPC VHF Coverage	That, States/Administrations be urged to respond to regular survey on Surveillance and Direct Control and Pilot Communication (DCPC) VHF Coverage to be circulated through an ICAO State Letter and advise the Point of Contact.	ICAO APAC RO APAC States	State Letter with Implementation GM Action in accordance with the Conclusion	12/31/2018	SL Ref.: T 8/5.4; AP012/19 (CNS) 6 Feb. 2019 COMPLETED	--	Task Completed	
APANPIRG/29	2018	C 29/28	Others	Empowerment to adopt Conclusions and Decisions on purely technical/operational matters by APANPIRG's Sub Groups	That, the empowerment to APANPIRG Sub Groups to adopt Conclusions and Decisions on technical/operational matters has been working effectively and considering its benefit for effectiveness of APANPIRG work: 1) APANPIRG Subgroup should adopt Conclusions/Decisions related to: a) any amendment to TOR, including an extension of time of Working Group/Taskforce formed under relevant Subgroup; and b) all technical and operational aspects of Subgroup's work within its TOR. 2) APANPIRG Subgroup should formulate Draft Conclusions/ Draft Decisions and submit to APANPIRG for adoption: a) any amendment to TOR, including an extension of time of Working Group/Taskforce formed under TOR approved by the APANPIRG; b) APANPIRG Air Navigation Deficiencies I; and c) report on slow progress by States in implementation aspects. 3) ICAO Secretariat would indicate clearly in the report of the Sub-group meeting on how the cross Sub-group Conclusions/Decisions to be coordinated and endorsed; and 4) As per empowerment principle, APANPIRG Subgroups or Taskforce/Working Groups are empowered to make Conclusions/Decisions related to regional guidance material for publication in ICAO APAC website. 1 Note: In case States provide satisfactory evidence to the APAC Office for the resolution of the deficiencies, the APAC Office in consultation with the Chair of respective Sub Group and subsequent approval from Chairman of APANPIRG may take action to remove the deficiency from APANPIRG open deficiency list.	ICAO APAC RO APANPIRG Sub groups ICAO Secretariat APANPIRG Sub groups or Taskforce/Working Groups	State Letter Action in accordance with the Conclusion	10/31/2018	Ref.: AN 3/3 – AP121/18 (AGA) dated 8 October 2018 APANPIRG Sub Groups and Contributory Bodies were informed at their meetings (IP). COMPLETED	--	In force	

APANPIRG/29	2018	C 29/29 A & B	Others	State Handling of ICAO Correspondence	That, States and Administrations are urged to review and implement an improved focal point system for receipt, dissemination and response to ICAO correspondence with consideration on: a) Process control for systematic tracking and management of ICAO State Letters within State and APAC; b) Nomination of a competent focal point with appropriate training; and c) Additional focal point support as necessary.	ICAO APAC RO APAC States	State Letter with Implementation GM Action in accordance with the Conclusion	10/31/2018	State Letter AN 3/3 — AP122/18 (AGA) dated 8 October 2018 COMPLETED		In force	
APANPIRG/29	2018	C 29/30 A & B	Others	State Actions on Air Navigation Deficiency	That, States are urged to 1. Ensure the nominated Air Navigation Deficiency point of contact is suitably qualified and empowered to engage with all internal stakeholders to action the resolution of deficiencies; 2. Conduct education activities to ensure all stakeholder organizations are aware of the obligations of the State under the Convention; 3. Keep the relevant APANPIRG Sub-Groups informed of their corrective actions on identified deficiencies; and 4. Provide more information on the reasons for lack of progress, reasons for non-reporting, and internal priorities related to deficiency resolution.	ICAO APAC RO APAC States	State Letter with Implementation GM Action in accordance with the Conclusion	10/31/2018	Ref.: AN 3/3 – AP123/18 (AGA) dated 8 October 2018 Updated the list of AN DEF Focal Points Requested COSCAPs to assist States. COMPLETED		In force	
APANPIRG/30	2019	C 30/5 A & B	Others	Asia/Pacific Seamless ANS Plan	That, given the urgency and priority of Air Navigation Service (ANS) planning and modernization, and the lack of progress in implementing the Aviation System Block Upgrade (ASBU) Block 0, Asia/Pacific States are urged to: (1) review Version 3.0 of the Asia/Pacific Seamless ANS Plan appended as Appendix A to the Report on Agenda Item 3.2; and (2) consider utilising the Asia/Pacific Seamless ANS Plan to develop a National Air Navigation Plan (NANP) after considering the NANP Template at Appendix B to the Report on Agenda Item 3.2, to enable timely implementation of applicable Seamless ANS elements.	ICAO RO APAC States and Administrations	Upload Seamless ANS Plan V3.0 to the website; State Letter Review the Plan and develop a NANP	15 November 2019 As soon as practicable	Ref. T 3/10.0 – AP122/19 (ATM) dated 14 November 2019 COMPLETED		In force	
APANPIRG/30	2019	C 30/6 A & B	Others	ICAO HQ Support for Regional ANS Implementation	That, ICAO HQ is invited to: (1) given the greatly increased number and complexity of Aviation System Block Upgrade (ASBU) elements in the draft 6th Edition of the Global Aviation Navigation Plan (GANP), the redefinition of ASBU Block 0 elements that were expected to be completed by 2019, and the need for more detailed and comprehensive guidance provided on the ASBU Portal for each element than is currently provided, consider: (i) the consequences for States of different capabilities to ensure that the No Country Left Behind (NCLB) policy is fully considered; and (ii) the extra resources, tools and training required to enable States to be able to understand, review, determine priorities and costs/benefits, and implement the applicable ASBU elements; and (2) ensure that the redevelopment of the Regional Air Navigation Plan Volume III templates allow the Asia/Pacific Seamless Air Navigation Service (ANS) Plan to be fully incorporated into Vol. III without amendment; and (3) ensure an urgent upgrade of the electronic regional ANS Monitoring and Reporting Scheme to: (i) allow States to electronically submit data related to the Seamless ANS Plan and its subsidiary plans; and (ii) ensure the ICAO Regional Office can amend online elements, metrics and priorities consistent with APANPIRG endorsements.	ICAO RO ICAO HQ	IOM Review implementation strategy for the 6th Edition of the GANP, consider extra resources, tools and training required for the States and resources for the ROs, take into account the Seamless ANS Plan when developing the Vol. III template, and urgently provide the necessary resources to allow an update of the monitoring system	15 November 2019 31 December 2019	Ref. T 3/10.0 – AP122/19 (ATM) dated 14 November 2019 IOM: Ref. T 3/10.0 - AP-ATM00152/19 dated 06 December 2019 COMPLETED	To note and request Secretariat to investigate further the issue of Implementation of Regional Air Navigation Plans with the purpose to include it as a common challenge with more concrete actions in the next consolidated report to Council on PIRGs and RASGs (ref. 2.15)	In force	
APANPIRG/30	2019	C 30/12 A & B	Others	Asia/Pacific Regional FIXM Extension for ATFM	That, noting: 1. the need for interoperable system-to-system information exchange to support the implementation and automation of cross-border ATFM in the Asia/Pacific Region; and 2. the data attributes included in the Asia/Pacific FIXM version 4.1 Extension were endorsed by ATFM/SG. The Asia/Pacific FIXM version 4.1 Extension described and provided in Appendix A to the Report on agenda item 3.4 be adopted and uploaded to the ICAO APAC Regional Office website for immediate use by Asia/Pacific Administrations, where the capability to do so exists, for cross-border ATFM information exchange.	ICAO APAC RO APAC States and Administrations	State Letter Action in accordance with the Conclusion	12/20/2019	Ref.: T 8/2.10 – AP140/19 (CNS) 18 December 2019 COMPLETED		In force	
APANPIRG/30	2019	C 30/13 A & B	AFS	Direct controller-pilot communication SATVOICE Trials	That, States who are interested in direct controller-pilot communication (DCPC) SATVOICE services are encouraged to conduct DCPC SATVOICE trials to verify its performance.	ICAO APAC RO APAC States and Administrations	State Letter Action in accordance with the Conclusion	12/20/2019	Ref.: T 8/4.13 – AP141/19 (CNS) 18 December 2019 IN PROGRESS	To note developments related to potential performance of new generation satellite voice communications (SATVOICE) that could achieve better Required Communication Performance (RCP) standards than the current RCP 400/Vro.	In force	

APANPIR G/30	2019	C 30/14 A & B	Navigation	Asia/Pacific Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP	Considering ICAO provided a guidance and template on transition planning for RNP approach chart identification, That, a) The Asia/Pacific Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP in Appendix B to the Report on Agenda Item 3.4 be adopted as a regional plan for RNP APCH chart identification transition; b) ICAO Regional Office coordinate with ICAO PBN Programme Office for the inclusion of the plan in the Global Dashboard for the progress monitoring; c) ICAO PBN Program Office to confirm that a global contingency plan has been developed and coordinated with all Regional Offices and with the major data houses; d) ICAO PBN Programme Office to provide an updated version of the Asia/Pacific Regional Transition Plan for RNP APCH Chart Identification from RNAV to RNP to ICAO Regional Office; e) ICAO Regional Office to publish the plan on the ICAO Regional Office website; and f) States develop their transition plan and implement the chart identification transition according to their designated slots.	ICAO APAC RO APAC States and Administrations	State Letter Action in accordance with the Conclusion	12/6/2019	Ref.: T 8/4.14 – AP125/19 (CNS) 13 November 2019 CLOSED		In force	
APANPIR G/30	2019	C 30/15 A & B	Surveillance	Revised Surveillance Strategy for the APAC Region	That, the Revised Surveillance Strategy for the APAC Region provided in Appendix D to the Report under agenda item 3.4 be adopted.	ICAO APAC RO	Posted on APAC Website and State letter to notify States	12/6/2019	Ref.: T 8/5.1 – AP135/19 (CNS) 11 December 2019 COMPLETED		In force	Updated from 17/27, 18/37, 19/39, 21/41, 23/35, 24/47, 27/44
APANPIR G/31	2020	C 31/12 A & B	AFS	Target Year of CRV Implementation in APAC Region	That, set and monitor 2021 as the target for CRV implementation for all ANSPs.	ICAO APAC RO APAC States and Administrations	State Letter Action in accordance with the Conclusion	1/29/2021	State Letter T 8/2.10 – AP002/21 (CNS) dated 6 January 2021, Subject: Postpone the target year of CRV implementation from 2020 to end of 2021 in APAC Region COMPLETED	—	In force	
APANPIR G/31	2020	C 31/13 A & B	AFS	The Revised Regional Strategies on AMS and Datalink	That, the revised Aeronautical Mobile Service (AMS) Strategy for the Asia/Pacific Region provided in Appendix A to the Report on Agenda Item 3.4 and the revised Strategy for Implementation of the Air-Ground Data Link in the Asia/Pac Region provided in Appendix B to the Report on Agenda Item 3.4 be adopted.	ICAO APAC RO APAC States and Administrations	Posted on ICAO APAC Website and State letter to notify States Action in accordance with the Conclusion	1/29/2021	Posted on ICAO APAC Website State letter to notify States by Ref.: T 8/4.1 - AP005/21 (CNS) dated 8 January 2021, subject: The Revised Regional Strategies on AMS and Datalink COMPLETED	—	In force	Updated from 16/32
APANPIR G/31	2020	C 31/14 A & B	Surveillance	Mode S Forward Fit Equipage in APAC Region	Regarding fitment of Mode S equipage, That, States/Administrations in APAC Region be strongly encouraged to mandate that registered aircraft with a maximum certified take-off mass exceeding 5 700 kg or having a maximum cruising true airspeed capability greater than 250 knots, with a date of manufacture on or after 1 January 2022 be equipped with Mode S avionics compliant with Enhanced Surveillance (EHS).	ICAO APAC RO APAC States and Administrations	State Letter Action in accordance with the Conclusion	1/29/2021	State Letter to notify states by Ref.: T 8/5.11 – AP003/21 (CNS) dated 6 January 2021. COMPLETED	—	Applicable	
APANPIR G/31	2020	C 31/15 A & B	ATSEP	Addressing Human Factor Issues of ATSEP	That, a) the States are encouraged to make reference and implement the recommendations made out of the IFATSEA study report Factors adding stress and fatigue to ATSEP provided in Appendix R to the CNS SG/24 Report for pro-active measures; b) States are also encouraged to join the small working group for finding the left-out gaps and in preparing the regional ATSEP human factor guidance material.	ICAO APAC RO APAC States and Administrations	Posted on ICAO APAC Website and State letter to notify States Action in accordance with the Conclusion	1/29/2021	Report posted on ICAO APAC Website under e-docs State letter issued to notify States Ref: T 3/9.9- AP022/21 (CNS) dated 26th January 2021 subject Addressing Human Factor Issues of A TSEP Ad-hoc group formed on 05.04.2021 and Kick Off meeting held on 30 June 2021. COMPLETED	—	In force	

APANPIRG/31	2020	C 31/18 A & B	Communication & AFS	Implementation of IWXXM	What: That, to support the dissemination by States of the required meteorological information in IWXXM GML form, in accordance with Amendment 79 to Annex 3, Member States/Special Administrative Regions, in particular those which host the designated APAC Regional OPMET Centres (ROCs) and Regional OPMET Databanks (RODBs), that have not already done so, urgently complete the necessary steps including the following: a) For the generation and dissemination of required meteorological information in IWXXM GML form to the local ROC to manage the onward dissemination within the Region, use only IWXXM Version 3 (or a later version); b) To support the exchange of IWXXM formatted data, implement the Air Traffic Services Message Handling System (AMHS) with File Transfer Body Part (FTBP) and the Interpersonal Message Heading Extension (IHE) and include support for AMHS message exchange of a maximum size of 4-MB for IWXXM formatted messages with maximum size of 2-MB for FTBP; c) To support the exchange of the required meteorological information in both IWXXM GML form and traditional alphanumeric code (TAC) form, ensure there is adequate capacity in the operational Aeronautical Fixed Service (AFS) links; d) When ingesting FTBP messages, as a minimum, utilize appropriate malware and anti-virus precautions; and e) For any requirements States have for further technical assistance to achieve compliance with the Annex 3 requirements for disseminating meteorological information in IWXXM GML form and/or differences that exist between the national regulations or practices and the above Annex 3 provisions, inform ICAO via the appropriate channels.	ICAO	State letter	1/1/2021	State Letter Ref.: T 4/3.2.5 – AP130/21 (MET), 15 July 2021 COMPLETED		In force	
APANPIRG/31	2020	C 31/20 A & B	Others	Evaluation of Combined APANPIRG and RASG-APAC Meeting	Considering the postponement of the trial combined APANPIRG-RASG-APAC meeting to 2022 or later, the Meeting agreed that: a) The Chairpersons and Vice-chairpersons of APANPIRG and RASG-APAC utilize the considerations contained in Appendix A to Report on Agenda Item 6 as well as any other considerations received for the evaluation of the effectiveness of the trial combined meeting; b) In view of the current COVID-19 pandemic, the evaluation of the effectiveness of the combined meeting be postponed to 2022 or later; and c) A post-meeting survey possibly guided with content contained in Appendix B to Report on Agenda Item 6 be conducted among the meeting delegates after the combined meeting.	ICAO RO	State Letter	1/29/2021	State Letter Ref.: AN 3/3 -AP019/21 (AGA) dated 25 January 2021 COMPLETED		In force	
APANPIRG/32	2021	C 32/7 A & B	AFS	Implementation of CRV for small Pacific Island and small ANSP in the region using CRV Solution, PCCWG SLA Package D	That, the CRV OG should consider the following to assist small Pacific Islands & small ANSP in the implementation of CRV: a) Small Pacific Island and small ANSP in the region to consider using CRV SLA package D as the CRV solutions to implement CRV for the exchange of voice & AMHS services b) With target date to implement CRV by the end of 2021 by APANPIRG Conclusion C 31/12, it is recommended that the CRV OG to work closely with the small Pacific Islands, small ANSP in the region and PCCWG on a cost effective CRV solution to implement CRV	ICAO RO APAC States and Administrations CRV/OG	State Letter Action in accordance with the Conclusion. Action in accordance with the Conclusion.	January 2022 As soon as practicable	State Letter Ref.: T 8/2.10 – AP007/22(CNS) dated on 12 January 2022 COMPLETED		In force	
APANPIRG/32	2021	C 32/8 A & B	Surveillance	Interrogator Code (IC) Planning and Coordination	That, With the need to extend the Use of Surveillance Identifier (SI) in Interrogator Code (IC) on top of Interrogator Identifier (II), the relevant APANPIRG Conclusions were updated as follows: Coordination Process for SSR Mode S Interrogator Code (IC) (formerly Conclusion 19/40) in view of the increasing density of SSR interrogator installations in the region, and that States have varying readiness to extend from Interrogator Identifier (II) to both Interrogator Identifier and Surveillance Identifiers (SI) codes, there will be a period whereby both II and SI will be used. while implementing SSR Mode S, States should take into account following issues while assigning IC for these installations: for planning the implementation of SSR Mode S interrogators, administrations should ensure that the interrogators with overlapping coverage are not operating with the same IC. where, the coverage of the interrogator extends beyond the boundaries of the State, The IC should be worked out in coordination with the ICAO Asia and Pacific Office and the neighbouring States concerned, and administrations should inform the ICAO Asia and Pacific Office about the assigned IC for these installations. Coordination Requirements for SSR Mode S Interrogator Codes (IC) (formerly Conclusion 20/56) States be advised to provide the following information on SSR Mode S Interrogator Code to the ICAO Asia/Pacific Office for coordination and registration.	ICAO RO APAC States and Administrations	State Letter Action in accordance with the Conclusion.	January 2022 As soon as practicable	State Letter Ref.: T 8/5.11-AP200/21 (CNS) dated on 22 December 2021 COMPLETED		In force	

APANPIR G/32	2021	C 32/9 A & B	Surveillance	Transition from II code to II and SI mixed code	States with Mode S radar capable of performing II/SI mode operations are encouraged to transit from II code to II and SI mixed code, so as to ease the shortage of II codes. States planning to perform the transition shall coordinate with ICAO APAC Regional Office to obtain the SI codes.	ICAO RO APAC States and Administrations	State Letter Action in accordance with the Conclusion.	January 2022 As soon as practicable	State Letter Ref.: T 8/5.11-AP200/21 (CNS) dated on 22 December 2021 COMPLETED		In force
APANPIR G/32	2021	C 32/10 A & B	Surveillance	The APAC Regional Roadmap for Mode S Implementation	That, the APAC Regional Roadmap for Mode S Implementation provided in Appendix D to the Report on Agenda Item 3.4 be adopted.	ICAO RO APAC States and Administrations	State Letter Action in accordance with the Conclusion.	January 2022 As soon as practicable	State Letter Ref.: T 8/5.11-AP200/21 (CNS) dated on 22 December 2021 COMPLETED		In force
APANPIR G/32	2021	D 32/12 A & B	AFS	Meteorological expert contribution to AFS/TF	That, States consider identifying meteorological experts to contribute to the APAC AFS/TF to ensure meteorological aspects are fully considered.	ICAO RO APAC States and Administrations	State Letter Action in accordance with the Conclusion.	January 2022 As soon as practicable			In force

* Note: 1) ICAO has established the following Strategic Objectives for the period 2005-2010:

A: Safety - Enhance global civil aviation safety; B: Security - Enhance global civil aviation security; C: Environmental Protection - Minimize the adverse effect of global civil aviation on the environment; D: Efficiency - Enhance the efficiency of aviation operations; E: Continuity - Maintain the continuity of aviation operations; F: Rule of Law - Strengthen law governing international civil aviation.

Note: 2) ICAO has established the following Strategic Objectives for the period 2011 -2013:

A: Safety - Enhance global civil aviation safety; B: Security - Enhance global civil aviation security; Strategic Objective C: Environmental Protection and Sustainable Development of Air Transport — Foster harmonized and economically viable development of international civil aviation that does not unduly harm the environment.

Note: 3) ICAO has established the following Strategic Objectives for the period 2014 -2016:

A: Safety – Enhance global civil aviation safety; B: Air Navigation Capacity and Efficiency – Increase capacity and improve efficiency of the global civil aviation system

C: Security and Facilitation – Enhance global civil aviation security and facilitation; D: Economic Development of Air Transport – Foster the development of a sound and economically-viable civil aviation system; E: Environmental Protection – Minimize the adverse environmental effects of civil aviation activities.

— END —