



International Civil Aviation Organization

**NINETEENTH MEETING OF THE COMMUNICATIONS/NAVIGATION  
AND SURVEILLANCE SUB-GROUP (CNS SG/19) OF APANPIRG**

Bangkok, Thailand, 20 – 24 July 2015

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**Agenda Item 2.2: Follow-up actions on Reports of the CNS SG/18 and  
APANPIRG/25 Meetings**

**FOLLOW-UP ACTIONS ON REPORTS OF THE CNS SG/18  
AND APANPIRG/25 MEETINGS**

(Presented by Secretariat)

**SUMMARY**

This paper presents the status of implementation of Decisions/Conclusions relevant to the CNS Sub-group of APANPIRG in its Eighteenth Meeting and adopted by APANPIRG/25.

**1. INTRODUCTION**

1.1 The CNS Sub Group meets prior to the APANPIRG meeting to discuss the status of implementation of various Decisions and Conclusions adopted by APANPIRG in its previous meeting. APANPIRG, in its meeting reviews the reports of Sub-groups and considers Draft Decisions/Conclusions developed by the Sub-groups for adoption.

1.2 The Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) was established by the ICAO Council in 1991 [C-MIN.133/18, 26 June 1991]. The Terms of Reference of APANPIRG was approved by the Council of ICAO in 6th Meeting of its 171 Session on 27 February 2004 and revised consequent to the decision of the Council [C-DEC183/9, March/April 2008 and C-WP/13558, C190/4, 25 May 2010]. APANPIRG is composed of all APAC Member States providing air navigation services in the Asia and Pacific Regions.

1.3 The Twenty Fifth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/25) was held in Kuala Lumpur, Malaysia, 8 to 11 September 2014.

1.4 The APANPIRG/25 meeting adopted an action plan in a table form which provides for each Conclusion/Decision, the related ICAO strategic objective (s), the follow-up action to be taken Organization/Administrations responsible to initiate action, expected deliverable (s) and the target date for completion. The format is in line with the ICAO Business Planning and Performance Based Approach.

1.5 The Air Navigation Commission (ANC) referred the Report of the APANPIRG/25 Meeting to its Working Group of the Whole for Strategic Review and Planning (WG/SRP) for review. The AN-WG/SRP reviewed the report on 26 Jan. 2015 which was approved by the ANC on 26 Feb. 2015.

## 2. DISCUSSION

2.1 The status of follow-up actions taken by the States/Administrations and ICAO Asia and Pacific Regional Office on the Conclusions/Decisions of the APANPIRG/24 relevant to CNS Sub-group provided in the **Attachment 1** to this paper for review by the meeting.

2.2 **Attachment 2** of this paper provides progress of implementation of the outstanding Conclusions till the Twenty Third meeting of APANPIRG.

## 3. ACTION BY THE MEETING

3.1 The meeting is invited to note the follow-up actions taken by ICAO APAC Office, Air Navigation Commission and the States on the Decisions/Conclusions adopted by APANPIRG in its Twenty Fifth Meeting as shown in the **Attachment 1**.

3.2 The meeting is also invited to review the follow-up actions on the outstanding Conclusions taken as shown in the **Attachment 2**.

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## APPENDIX A

## APANPIRG/25 Conclusions/Decisions – Action Plan

## APANPIRG/25 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
D 25/1  A & B	Development of the new APAC eANP	<p>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:</p> <p>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</p> <p>b) present the relevant Parts of the APAC eANP to APANPIRG/26 for endorsement.</p>	APANPIRG and its sub groups	<p>Work programmes of the related APANPIRG contributory bodies updated</p> <p>Sub groups</p>	<p>December 2014</p> <p>August 2015</p>	<p>COMPLETE State letter T 8 2/10 &amp; T 8/10.21:AP17 6/14 (CNS) 29 December 2014</p> <p>In Progress</p>	Noted

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C 25/2  A & B	<b>APAC Regional Air Navigation Priorities and Targets</b>	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	September 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
C 25/3  A & B	<b>Air Navigation Report Forms (ANRFs) and responsibility Matrix</b>	That, the ANRF regarding the Block 0 ASBUs (except B0-RSEQ, B0-OPFL, and B0-WAKE) provided in the APANPIRG/25/ <b>WP26 Appendices A to P</b> together with the matrix of responsibilities placed at <b>Appendices B and C</b> to the Report on Agenda Item 3.0 be adopted for the APAC Region	ICAO APAC Office	State letter	September 2014	COMPLETE State letter T 8/5.1 & T 3/10.1.2 :AP145/14 (CNS/ATM) 30 Sep.14	Noted

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C 25/4 A & B	<b>Seamless ATM Implementation Guidance</b>	That, the Seamless ATM implementation guidance version 4.3, <a href="http://www.icao.int/APAC/Documents/edocs/Seamless%20ATM%20Implementation%20Guidance%20v4-3.pdf">http://www.icao.int/APAC/Documents/edocs/Seamless%20ATM%20Implementation%20Guidance%20v4-3.pdf</a> , May 2014 be adopted by APAC States/Administrations and maintained by the ICAO Regional Office.	ICAO APAC Office	State letter	October 2014	COMPLETE  October 2014	Noted
C 25/5 A & B	<b>Web-based Seamless ATM Implementation Progress Reporting Process</b>	That, States/Administrations be urged to report on their Seamless ATM implementation progress at least once a year through the ICAO online reporting process from November 2014 onwards.	ICAO APAC Office  APAC States	State letter  Reporting forms submitted	December of each year (intermediate reports are welcome, for example in June of each year)	COMPLETE State letter T 8/5.1 & T 3/10.8: AP162114 (CNS/ATM) 24 November 2014  Jan.15: 5 States submitted their report	Noted
C 25/6 A & B	<b>Seminar/Workshop on the Aerodrome related Aspects of the Seamless ATM Plan Implementation</b>	Recognizing the need for promoting, understanding and active involvement of the APAC States/Administration in taking forward the regional initiative, ICAO be invited to organize a seminar/workshop on the Seamless ATM Plan with a focus on aerodrome related elements.	ICAO APAC Office	Seminar conducted	2015	COMPLETE  Seminar held on 1 June 2015	Noted

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C 25/7 A & B	<b>Amendment to Figure 3-1 of Annex 14, Volume II</b>	Recognizing that the Figure 3-1 in Annex 14, Volume II was not consistent with the standard in Para 3.1.22 and 3.2.21 of Annex 14, Volume II, ICAO be invited to review and revise the Figure as appropriate.	ICAO APAC Office	IOM submitted to ICAO HQ	October 2014	COMPLETE IOM AN 3/3:AP-AGA0165/14 24 October 2014	Noted, included in next ICAO Annex 14 amendment cycle
C 25/8 A & B	<b>Guidance on Airport Operations in Thunderstorm/Lightning Conditions</b>	Recognizing that guidance on airport operations in thunderstorm/lightning conditions, which are commonly experienced in tropical countries, was not available, ICAO be invited to consult with ACI and consider providing guidance material as a reference document for States and airport operators.	ICAO APAC Office	IOM submitted to ICAO HQ	October 2014	COMPLETE IOM AN 3/3:AP-AGA0164/14 24 October 2014	Noted
C 25/9 A & B	<b>ACI APEX (Airport for Excellence) Programme</b>	that States: a) Support the ACI APEX in Safety Programme at aerodromes in the APAC Region; and b) Encourage airport operators to approach ACI for assistance through the APEX in Safety Programme if deemed necessary; and to participate in the APEX Safety Reviews Programme.	ICAO APAC Office	State Letter	November 2014	COMPLETE SL AN 3/3-AP155/14 (AGA) 6 Nov. 2014	Noted
D 25/10 A & B	<b>ATFM/SG Terms of Reference</b>	That, the proposed Terms of Reference ( <b>Attachment D to APANPIRG/25/WP07</b> ) be adopted for the Asia/Pacific Air Traffic Flow Management Steering Group (ATFM/SG).	ICAO APAC Office	Update the ATFM/SG TOR	October 2014	CLOSED	Noted

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C 25/11  A & B	<b>Human Performance Initiatives</b>	That, ICAO be urged to:  a) conduct an Asia/Pacific human performance seminar/workshop for optimal Air Traffic Control (ATC) and Search and Rescue (SAR) operational safety and efficiency; and  b) review the human performance provisions in the Asia/Pacific Seamless ATM Plan.	ICAO APAC Office	1. State Letter  2. Conduct of an Asia/Pacific human performance seminar/workshop  3. Review Seamless ATM Plan	1. October 2014  2. 2015  3. August 2015	COMPLETE  SL T3/10.0 - AP140/15 (ATM) dated 25 Sept 2014  <b>In progress</b>	Noted
D 25/12  A & B	<b>Amend Regional ATM Contingency Plan Task Force (RACP/TF) Terms of Reference</b>	That, the amended RACP/TF Terms of Reference ( <b>Attachment F to APANPIRG/25/WP07</b> ) be adopted.	ICAO APAC Office	Update the RACP/TF TOR	October 2014	CLOSED	Noted
C 25/13  A & B	<b>ATS Route Catalogue Version 13</b>	That Version 13 of the <i>Asia and Pacific Region ATS Route Catalogue</i> ( <b>Attachment H to APANPIRG/25/WP07</b> ) replaces Version 12 on the ICAO Asia/Pacific Regional Office web site ( <a href="http://www.icao.int/apac">www.icao.int/apac</a> ).	ICAO APAC Office	1. Update ICAO website  2. State Letter	1. October 2014  2. October 2014	COMPLETE  SL T3/10.0 - AP138/15 (ATM) dated 25 Sept 2014	Noted

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C 25/14  A & B	Access to ICAO Annexes and Documents	That, States are urged to ensure that all personnel having responsibility for the origination, reception, management and/or distribution of aeronautical information and aeronautical data have full access to the relevant ICAO Annexes and Documents, either in up-to-date hard copy form or by arranging internet access through the ICAO Secure Portal.	ICAO APAC Office	State Letter	October 2014	COMPLETE  SL T3/10.0 - AP138/15 (ATM) dated 25 Sept 2014	Supported, ANC to request Council to consider the impact that any new digital distribution system may have on access by State personnel.



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C 25/15  A & B	<b>Aeronautical Information Management (AIM) Transition Reporting</b>	<p>That, considering:</p> <ol style="list-style-type: none"> <li>1. the Asia/Pacific Seamless ATM Plan expectation of implementation of Phase 1 and Phase 2 AIS to AIM roadmap transition steps by November 2015;</li> <li>2. the Aeronautical Information Services-Aeronautical Information Management Implementation Task Force (AAITF) Terms of Reference requirement to monitor AIM transition; and</li> <li>3. the information used for regional and global ATM performance reporting,</li> </ol> <p>States be urged to:</p> <ol style="list-style-type: none"> <li>a) verify the information currently recorded in the AIM Implementation Table (Attachment I to APANPIRG/25/WP07), and</li> <li>b) update the information in the AIM Transition Table at least once annually, by April 30 each year.</li> </ol>	ICAO APAC Office	State Letter	October 2014	COMPLETE  SL T3/10.0 - AP138/15 (ATM) dated 25 Sept 2014	Noted

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C 25/16  A & B	<b>Duplicated 5LNC (Five Letter Name Code)</b>	That, States take coordinated action to replace duplicated 5LNC as detailed in <b>APANPIRG/25/WP07, Attachment J</b> , recognising that the ICAO Regional Office may:  a) make specific suggestions in regard to the duplicated 5LNC; or  b) take appropriate actions if coordination between concerned States is not able to result in an agreed action	ICAO APAC Office	State Letter	October 2014	COMPLETE  SL T3/10.0 - AP138/15 (ATM) dated 25 Sept 2014	Supported, ANC to request greater focus on this issue
C 25/17  A & B	<b>ICARD ATS Route Designators Function Access</b>	That, taking into consideration the rising demand for ATS route designators, resulting from airspace capacity and efficiency changes and implementation of PBN routes and airspace, ICAO be requested to takes steps to develop the ATS Route Designators function in the ICARD application and provide Asia/Pacific ICARD 5LNC MANAGERS and ICARD 5LNC PLANNERS with access to it.	ICAO APAC Office	IOM to HQ	October 2014	COMPLETE  IOM to HQ  T3/10.00:AP- ATM0148/14 dated 26 Sept 2014	Supported, ANC to request that the ICARD application be upgraded to include the ATS Route designator function.

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C 25/18  A & B	Cospas-Sarsat Alert Responses	<p>That, considering the importance of effective Cospas-Sarsat alerting and monitoring supporting the international Search and Rescue (SAR) system, States be urged to:</p> <p>a) consider becoming formally associated with the Cospas-Sarsat system;</p> <p>b) provide up-to-date SAR Point of Contact (SPOC) details to Cospas-Sarsat, and respond promptly to SPOC communications tests;</p> <p>c) promote registration of 406 MHz distress beacons and make use of the free International Beacon Registration Database (IBRD) facility unless the State has its own readily available registration system;</p> <p>d) support a simplified, serialised beacon unique identification coding system for next generation beacons;</p> <p>e) ensure the provision of immediate access by Rescue Coordination Centres (RCCs) to the 406 MHz distress beacon registration data, whether maintained by the State or the Cospas-Sarsat IBRD; and</p> <p>f) provide post-alert advisories to Cospas-Sarsat on all alert outcomes as soon as practicable as a performance and system improvement measure.</p>	ICAO APAC Office	State Letter	October 2014	COMPLETE  SL T3/10.0 - AP142/15 (ATM) dated 25 Sept 2014	Supported, ANC to recommend to Council that all regions adopt a similar conclusion if they have not already done so.

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C 25/19  A & B	<b>Personal Locator Beacon</b>	That, considering the development of miniaturised Personal Locator Beacons (PLBs) being increasingly carried on persons, marine vessels and aircraft, the possible overload of alerting systems and RCCs, and the obligation of States to respond to safety alerts, ICAO in cooperation with the IMO, be urged to consider means of effectively managing PLB alerts.	ICAO APAC Office	State Letter	October 2014	COMPLETE  SL T3/10.0 - AP142/15 (ATM) dated 25 Sept 2014	Supported, ANC to recommend that ICAO, in cooperation with the IMO, be urged to consider means of effectively managing PLB alerts.
C 25/20  A & B	<b>Global SAR Coordination</b>	That, considering the need for global and inter-regional Search and Rescue (SAR) coordination, ICAO be urged to:  a) consider securing the necessary technical resources for managing global SAR policy development and inter-regional coordination; and  b) include SAR as part of the Aviation System Block Upgrades (ASBU).	ICAO APAC Office	IOM to ICAO HQ	October 2014	COMPLETE  IOM to HQ  T3/10.00:AP-ATM0149/14 dated 26 Sept 2014	Supported, ANC to acknowledge commitment of Australia to provide a seconded expert.

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D 25/21  A & B	<b>Search and Rescue (SAR) Library</b>	That, States be urged to utilise the SAR Library located at <a href="http://www.uscg.mil/hq/cg5/cg534/SAR_Manuals.asp">http://www.uscg.mil/hq/cg5/cg534/SAR_Manuals.asp</a> .	ICAO APAC Office	State Letter	October 2014	COMPLETE  SL T3/10.0 - AP142/15 (ATM) dated 25 Sept 2014	Noted
C 25/22  A & B	<b>Provision of MH370 Feedback</b>	In accordance with Annex 12, Recommendation 5.9.2, that:  a) Asia/Pacific States/Administrations involved in the SAR response to MH370 be urged to develop any lessons learned and suggestions for improvement for submission to the APSAR/TF/3 meeting, scheduled for 25-29 January 2015; and  b) ICAO and IMO be urged to consider lessons learned and feedback in order to update global SAR standards and guidance material.	ICAO APAC Office  ICAO/IMO	1. State Letter 2. IOM to HQ 3. Letter to IMO	1. October 2014 2. October 2014 3. October 2014	COMPLETE  SL T3/10.0 - AP142/15 (ATM) dated 25 Sept 2014  IOM to HQ, IMO informed at APSAR/TF/3  T3/10.00:AP-ATM0149/14 dated 26 Sept 2014	Noted

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C 25/23 A & B	<b>Data Link Implementation Strategy Guidance</b>	That, the Data Link Implementation Strategy Guidance Material appended as <b>Attachment A to APANPIRG/25/WP08</b> 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
C 25/24 A & B	<b>Contact Details for Airspace User Reporting of ADS-C/CPDLC Problems to ANSPs</b>	That, States be urged to provide, and promulgate in their AIP, a point of contact for airspace users to report Automatic Dependent Surveillance-Contract/Controller Pilot Data-link Communications (ADS-C/CPDLC) problems to the State/Air Navigation Service Provider (ANSP).	ICAO APAC Office	State Letter	October 2014	COMPLETE SL T3/10.0 - AP139/15 (ATM) dated 25 Sept 2014	Noted
C 25/25 A & B	<b>Submission of FPLs as Traffic Sample Data (TSD)</b>	That, Asia/Pacific States that do not have an automated TSD generation capability be urged to consult with the appropriate Regional Monitoring Agency (RMA) and if agreed, submit their raw Flight Plan (FPL) messages to the appropriate RMA, instead of conventional TSDs.	ICAO APAC Office	State Letter	October 2014	COMPLETE SL T3/10.0 - AP141/15 (ATM) dated 25 Sept 2014	Noted
C 25/26 A & B	<b>Flights in RVSM Airspace by non-approved State Aircraft</b>	That, Asia/Pacific States be urged to ensure close cooperation between civilian and military authorities, so that all RVSM operational requirements are clearly understood and complied with by State aircraft.	ICAO APAC Office	State Letter	October 2014	COMPLETE SL T3/10.0 - AP141/15 (ATM) dated 25 Sept 2014	Noted

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C 25/27  A & B	AN- Conf/12 <b>Recommendations</b>	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	November 2014	COMPLETE  T 8/9.1:AP165/ 14 (CNS) 03 December 20 14	Noted
C 25/28  A & B	<b>AMHS Naming Registration Procedure and Form</b>	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 <b>Appendix E1 and Appendix E2</b> 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	October 2014	COMPLETE  T 8/2.11, T 8/2.13 & T 8/10.10:AP15 0114 (CNS)  09 October 2014	Noted

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C 25/29 A & B	<b>Proposal for Amendment to the Regional Air Navigation Plan FASID CNS Tables</b>	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/ <b>WP09 Appendices F, G and H.</b>	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	October 2014	COMPLETE APAC 15/05 AP018/15 (CNS)  APAC 15/06 AP019/15 (CNS)  APAC 15/07 AP020/15 (CNS)  PfA dated 03 February 2015	Noted
C 25/30 A & B	<b>Change of AMHS/SITA Interconnection Architecture</b>	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/ <b>WP09 Appendix I.</b>	ICAO APAC Office	State letter	October 2014	COMPLETE T 8/2.11, T 8/2.13:AP157 /14 (CNS) 10 Nov. 14	Noted
C 25/31 A & B	<b>CRV (Common Regional VPN Task Force) Cost Benefit Analysis</b>	That, the 1st iteration of the CRV Cost Benefit analysis provided in APANPIRG/25/ <b>WP09 Appendix J</b> be adopted and distributed to States/Administrations for their reference	ICAO APAC Office	State letter	September 2014	COMPLETE  T 8/2.11 & T 8/10.21:AP15 3/14 (CNS) 05 November 2014	Noted



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D 25/32  A & B	<b>Terms of Reference of the APAC Aeronautical Common Regional VPN Task Force (CRV TF)</b>	That, the Terms of Reference of the APAC Aeronautical Common Regional VPN Task Force (CRV TF) at APANPIRG/25/WP09 <b>Appendix L</b> be adopted.	ICAO APAC Office	State letter	October 2014	COMPLETE  T 8/2.11 & T 8/11.0.21:AP1 49/14 (CNS) 13 October 20 14	Noted, ANC urges the PIRG to ensure the ICD takes account of future concepts such as SWIM and FF-ICE
C 25/33  A & B	<b>CRV Concept of Operations (CONOP)</b>	That,  a) the initial Concept of Operation (CONOP) for the APAC CRV provided in APANPIRG/25/WP09 <b>Appendix M</b> 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   States	State letter   Concept of Operations for the APAC CRV commented	September 2014   December 2014	COMPLETE  T 8/2.11 & T 8/11.0.21:AP1 49/14 (CNS) 13 October 2014	Noted
C 25/34  A & B	<b>Aeronautical Common Regional Virtual (CRV) Private Network in APAC Stage I</b>	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	1. ICAO APAC Office  2. States	1. State Letter  2. Sign the MSA before 15 December 2014, plan a provisional	October 2014	COMPLETE  T 8/2.11 & T 8/10.21:AP15 3/14 (CNS) 05 November 2014	Noted

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		<p>date (10 September 2014) to be Pioneer Parties and sign the MSA;</p> <p>b) Considering the favorable Cost Benefit for CRV operations as a major enabler for achieving GANP 4th edition roadmap;</p> <p>i) The Management Service Agreement (MSA) provided in APANPIRG/25/WP09, <b>flimsy 1, Appendix B</b> be adopted, pending some finer adjustments;</p> <p>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;</p> <p>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.</p> <p>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.</p>		<p>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</p>	<p>January 2015</p>	<p>10 July 15 : 16 States signed the MSA</p>	

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C 25/35 A & B	<b>Adoption of Pan Regional ICD for AIDC</b>	That, the Pan Regional ICD for AIDC provided in APANPIRG/25/WP09, <b>Appendix O</b> , 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	October 2014	COMPLETE  T /3.5:AP163 /14 (CNS) 25 November 2014	Noted
D 25/36 A & B	<b>Dissolving Inter-regional AIDC Task Force</b>	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	November 2014	COMPLETE  T /3.5:AP163 /14 (CNS) 25 November 2014	Noted
D 25/37 A & B	<b>AIDC Implementation Task Force</b>	That, the AIDC Implementation Task Force be established with Terms of Reference provided in APANPIRG/25/WP09, <b>Appendix D</b> .	ICAO APAC Office	State letter	December 2014	COMPLETE T 3.5:AP008/ 15 (CNS) 20 January 2015	Noted
C 25/38 A & B	<b>Harmonization for AIDC Implementation</b>	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	December 2014	COMPLETE T 3.5:AP008/ 15 (CNS) 20 January 2015	Noted

APPENDIX A

APANPIRG/25 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
C 25/39  A & B	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	September 2014	COMPLETE  T8/4.13:AP1 48/14 (CNS)  02 October 20 14	Noted
C 25/40  A & B	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	September 2014	COMPLETE  T 8/10.21 :AP146!14 (CNS) 01 October 2014	Noted
C 25/41  A & B	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: <ul style="list-style-type: none"> <li>○ E Transponder — Mode S, including aircraft identification, pressure-altitude and <del>extended squitter (ADS-B out)</del> capability</li> <li>○ L Transponder — Mode S, including aircraft identification, pressure-altitude, <del>extended squitter (ADS-B out)</del> and enhanced surveillance capability</li> <li>○ B1 ADS-B with dedicated 1 090 MHz ADS-B “out” capability using 1 090MHz</li> </ul>	ICAO APAC Office	IOM to HQ	January 2015	COMPLETE ANC asked Secretariat to follow up. IOM reminder sent on 1April 15	Noted

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Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
		<p><del>extended squitter.</del></p> <ul style="list-style-type: none"> <li>○ <del>B2 ADS-B with dedicated 1 090 MHz ADS-B</del> “out” and “in” capability using 1 090MHz <del>extended squitter.</del></li> </ul> <p>- In this recommended amendment, there was duplication of indication of ADS-B carriage for aircraft where the Mode S transponder was the transmission device.</p> <p>- 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.</p> <p>- 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.</p>					

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APANPIRG/25 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
C 25/42 A & B	<b>Regulations for Compliance of ADS-B Transmissions</b>	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  APAC States	State letter  Regulations implemented	October 2014  June 2015	COMPLETE T8/10.21:AP 158/14 (CNS) 13 November 2014	Noted
C 25/43 A & B	<b>Promote Understanding of SWIM in APAC Region</b>	That, recognizing SWIM as a building block of ASBU Block 1 and 2 modules, ICAO be invited to promote understanding of SWIM through organizing seminars/workshops with focus on both technical and operational aspects for SWIM development in the Asia Pacific Region.	ICAO APAC Office	Organized seminars/workshops with focus on both technical and operational aspects for SWIM development in the Asia Pacific Region	June 2016	<b>IN PROGRESS</b>	Noted
D 25/44 A & B	<b>APANPIRG Performance-based Navigation Implementation Coordination Group (PBNICG)</b>	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	November 2014	COMPLETE RT3/5- AP169/14 (RSO) 15 Dec.14	Noted

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APANPIRG/25 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
C 25/45  A & B	<b>Improvement of OPMET data format</b>	<p>That, ICAO urges States to:</p> <p>a) Ensure full implementation of the applicable Standards and Recommended Practices in Annex 3 with respect to the format of OPMET information; and</p> <p>b) Establish and implement necessary systems to provide for the quality management of the OPMET information, which should include verification, validation and monitoring to assure that the OPMET information complies with the stated requirements.</p> <p>Notes:</p> <p>i) IATA requested States to ensure the percentage of OPMET issued with formatting errors should be limited to less than 3%; and</p> <p>ii) all OPMET provided should be made available to the SADIS and WIFS gateways in accordance with provisions in FASID Table MET 2A and the Regional SIGMET Guide.</p>	ICAO APAC Office	State letter	4 <sup>th</sup> quarter 2014	COMPLETE T 4/3.2.6: AP030/15 (MET), 16/02/2015	Noted

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APANPIRG/25 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
C 25/46  A & B	<b>Improvement of OPMET Data Availability for Aerodromes Listed in ANP FASID Table MET 2A</b>	<p>That, the ICAO be invited to urge APAC States to:</p> <p>a) continue efforts to improve the availability of OPMET data for aerodromes listed in FASID Table MET 2A;</p> <p>b) ensure all OPMET data for aerodromes listed in AOP Tables, and for aerodromes not listed in AOP Tables, in FASID Table MET 2A, is distributed to SADIS and WIFS Provider States via Regional OPMET Data Banks (RODB); and</p> <p>c) ensure only one type of TAF is issued and transmitted from aerodromes.</p> <p>Notes:</p> <p>i) IATA's requirements with respect to availability of OPMET (METAR and TAF) are 95% [90%] for all aerodromes listed in AOP Tables [not listed in AOP Tables] in FASID Table MET 2A; and</p> <p>ii) IATA's requirements with respect to the period of availability and validity of TAF are FT, i.e., F – Full (OPMET data as listed issued for the aerodrome all through the 24-hour period), and T (Requirement for 18/24-hour validity aerodrome forecasts in TAF code).</p>	ICAO APAC Office	State letter	4 <sup>th</sup> quarter 2014	COMPLETE  T 4/3.2.6: AP030/15 (MET), 16/02/2015	Noted



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APANPIRG/25 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
D 25/47 A & B	Establishment of a Volcanic Ash Exercises Steering Group in the APAC Region	That, an APAC volcanic ash exercises steering group be established under the MET Sub-Group and in coordination with the ATM Sub-Group with the preliminary terms of reference and composition provided in the <b>revised Attachment C to WP/10</b> to organize and conduct volcanic ash exercises in the APAC Region.	ICAO APAC Office	Steering group established	4 <sup>th</sup> quarter 2014	<b>IN PROGRESS</b> Manila Philippines	Noted
C 25/48 A & B	APAC MET/ATM Seminar	That, the ICAO and Japan be invited to conduct a MET/ATM seminar in Tokyo in 2015, in coordination with the WMO.	ICAO and Japan	Conducted MET/ATM seminar	2015	<b>IN PROGRESS</b> : 29/06/2015 – 03/07/2015 / Tokyo, Japan	Noted
C 25/49 A & B	Update of ATM/AIS/SAR, AOP, CNS and MET Deficiency List	That, the list of air navigation deficiencies reported and identified in ATM/AIS/SAR, AOP, CNS and MET Deficiency List be updated as detailed in <b>Appendices A to D</b> to APANPIRG Working Paper 11.	ICAO APAC Office	Updated deficiency list	January 2015	COMPLETE SL AN 3/3- AP013/15 dt 22/1/2015	Noted

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Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target date	Status as of 10 July 2015	Action by ANC
D 25/50  A & B	APANPIRG Contributory Bodies Structure Review Task Force (ABSRTF)	That,  a) The APANPIRG Contributory Bodies Structure Review Task Force with members consisting of Chairpersons/Vice Chairpersons of APANPIRG Contributory Bodies (Sub-groups, Working Groups and Task Forces) and voluntary members nominated by States be established with the Terms of Reference presented in Appendix B to this section of the report; and  b) In coordination with the ICAO Regional Office, the Task Force undertakes a review of the Terms of Reference and activities of the APANPIRG Contributory Bodies and proposes rationalization of the APANPIRG structure to meet the changing environment to APANPIRG/26.	APANPIRG	ABSRTF established	December 2014	COMPLETE  Letter AN 3/3 – AP130/14 (AGA) 18	Noted
			ABSRTF	Working paper prepared with proposals for APANPIRG/26 consideration	22-23 May 2015	Sept. 2015	
C 25/51  A & B	Consultation with Airspace Users on ANS Charges	That, States be encouraged to adopt the principles of transparency and consultation with airspace users on ANS charges in accordance with Assembly Resolution A 38-14 and as endorsed in ICAO Doc 9082 and Doc 9161.	ICAO APAC Office	State Letter	February 2015	COMPLETE SL AN3/3- AP012/15 dated 22/1/2015	Noted

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**Status of Outstanding Conclusions/Decisions – Action Plan**

Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 19/43  D	<b>Training for the new WAFS gridded forecasts</b>	<p>That, in order to facilitate the implementation by the States of the new WAFS gridded forecasts,</p> <p>a) WAFS Provider States, in coordination with ICAO and WMO, be invited to organize training on the use of the new WAFS gridded forecasts for icing, turbulence and cumulonimbus clouds; and</p> <p>b) WAFSOPSG be invited to consider, in addition to the planned regional training seminars, developing alternative methods for provision of training to the States on the new gridded forecasts for icing, turbulence and cumulonimbus clouds in order to ensure that a maximum number of WAFS users in the States will have access to the training in the most efficient way.</p> <p><i>Note: The alternative training methods include computer based training products distributed to States and web-based training.</i></p>	<p>a) Organize training</p> <p>b) Develop alternative methods for provision of training to the States on the new gridded forecasts for icing, turbulence and cumulonimbus clouds</p>	<p>ICAO HQ</p> <p>ICAO HQ</p>	<p>conduct training programme</p> <p>Alternative training methods</p>	<p>Revised target date- Dec 2013</p> <p>Revised target date Sep 2012</p>	<p><b>COMPLETED</b></p> <p>Under the auspices of the WAFSOPSG, the WAFS Provider States developed computer-based training material for WAFS gridded global forecasts for CB clouds, icing and turbulence (April 2013)</p> <p>ICAO made the training material available on the WAFSOPSG website in all official languages of ICAO (November 2013)</p>

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 20/68	<b>Expanded WV SIGMET Test Development</b>	<p>That,</p> <p>a) Japan be invited to further develop an expanded WV SIGMET Test utilizing automated templates in consultation with the Darwin VAAC; and</p> <p>b) upon completion of a) above, Japan conducts the expanded WV SIGMET Test and produce an analysis to the OPMET/M TF/8 meeting for further review and subsequent reporting to the CNS/MET SG/14 meeting to determine the next phase of the test.</p>	<p>Develop WV expansion SIGMET test</p> <p>Conduct and report on trial test</p>	<p>Japan/ VAAC Darwin</p> <p>Japan</p>	<p>Updated WV expansion SIGMET Test</p> <p>Test results included in OPMET/M TF/8 and CNS/MET SG/14 reports</p>	<p>Revised target date July 2014</p>	<p><b>IN PROGRESS</b></p> <p>Efforts suspended due to earthquake/Tsunami and accidental release of radioactive material;</p> <p>Japan to resume work on developing an expanded SIGMET test for volcanic ash in the APAC Region; Australia to assist.</p>

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
D 21/9	Develop Sub-Regional volcanic Ash Contingency Plan	<p>That,</p> <p>a) in view of the recent volcanic activity in Iceland, the CNS/MET Sub-Group be requested to develop sub-regional volcanic ash contingency plans; and</p> <p>b) urge States to designate appropriate contact points to establish/maintain contacts in the interim period until the sub-regional volcanic ash contingency plans become available.</p>	<p>CNS/MET SG to develop volcanic ash contingency plans</p> <p>States to provide POC for volcanic ash events</p>	<p>ICAO APAC</p> <p>ICAO APAC</p>	<p>Volcanic ash regional contingency plan</p> <p>Contingency contact list</p> <p>Assignment of duties – CNS/MET SG/14 D14/30 to METWARN/I TF and MET/ATM TF</p>	<p>Revised date- July 2014</p> <p>Jan 2011</p>	<p>a) <b>IN PROGRESS</b> A framework for APAC regional contingency plans developed (Mar 2011); Ad-hoc group to consider input to ATM VACP.</p> <p>b) <b>COMPLETED</b></p>

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 21/46	<b>Improvements to WAFS Implementation</b>	<p>That, the WAFSOPSG is invited to discuss and consider the following improvement measures in WAFS implementation:</p> <p>a) the WAFS Provider States inform users in advance about forthcoming changes to the contents of the WAFS forecasts; and</p> <p>b) further guidance be provided regarding the specific actions to be taken by the MET service providers and all relevant end users of WAFS upon receiving the administrative message.</p> <p><i>Note: Guidance should also include any requirement for a user State to generate its own administrative message for a product affected by a received administrative message.</i></p>	<p>Determine changes, if necessary, to the WAFS change bulletin notice</p> <p>Determine further guidance, if necessary, for users of WAFS administrative messages</p>	<p>WAFSOPSG/6 (March 2011)</p> <p>WAFSOPSG/6 (March 2011)</p>	<p>Update WAFS bulletin notice, if required</p> <p>Update guidance on WAFS administrative messages, if required</p>	<p>July 2011</p> <p>Sept 2013</p>	<p>a) <b>COMPLETED</b> WAFSOPSG/7 (Sep 2012) Conclusion 7/8.</p> <p>b) <b>COMPLETED</b> WAFSOPSG/8 Conclusion 8/9: ICAO updated the <i>Guidance for Handling WAFS SIGWX Correction Messages</i> on the WAFSOPSG website (April 2014)</p>

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 21/48	Update of SADIS and ISCS User Guide	<p>That, the SADISOPSG and WAFSOPSG consider the need to update the SADIS and ISCS User Guides by aligning with regional Meteorological Watch Offices requirements (Regional FASID Tables)</p> <p><i>Note: To achieve this, the following steps should be taken in time for the regional SIGMET advisory trial (1 April 2011)</i></p> <p>a) <i>Regional amendment proposals on FASID Table MET 1B;</i></p> <p>b) <i>Develop global database based on Regional requirements in a); and</i></p> <p>c) <i>Consider global database on SIGMET requirements for use in SADIS and ISCS User Guides</i></p>	<p>Amendment Proposals to Tables in the Regions, where necessary</p> <p>HQ IT develop global database of FASID Table MET 1B</p> <p>Incorporate SIGMET requirements in SADIS Users Guide (as a link to the global database)</p>	<p>ICAO APAC</p> <p>ICAO HQ</p> <p>WAFSOPSG/6 (March 2011)</p> <p>SADISOPSG/15 (May 2011)</p>	<p>Up-to-date FASID Tables MET 1B for all Regions</p> <p>Global MWO database</p> <p>Provide link to global database for SIGMET requirements</p>	<p>Dec 2010</p> <p>Mar 2011</p> <p>Apr 2011</p>	<p>a) <b>COMPLETED</b></p> <p>b) &amp; c) <b>IN PROGRESS</b> (all regions submitted latest version table in excel format to HQ in Nov 2010, except for NAM) WAFSOPSG/6 noted development of database at HQ (but will not meet target date)</p> <p>Development of a global database of SIGMET requirements is underway in ICAO headquarters (along with the development of a database for all MET Tables contained in the air navigation plan).</p>
			B - 5				

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 22/36  A	<b>Amendment to Regional Supplementary Procedures on ADS-B</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 <b>Appendix N</b> to the report on Agenda Item 3.4.	Prepare and process PfA to SUPP	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	<b>COMPLETED</b>          PfA was approved by President of Council on 4 Dec. 2013 and States notified on 11 December 2013
C 22/42  A & C	<b>Improvement of WAFSIGWX charts</b>	That, the WAFSOPSG be invited to request the WAFSIGWX Provider States to provide SIGWX chart verification results, if any, to illustrate the degree of accuracy of their SIGWX charts.	Invite WAFSOPSG to request WAFSIGWX provider States to improve SIGWX charts	ICAO APAC Office	Letter to Secretary WAFSOPG	February 2012	<b>COMPLETED</b> WAFSOPSG/8 was informed that SIGWX chart verification results are currently not available, mainly due to the limited availability of observational data required to perform adequate verification and unresolved challenges in the comparison of the simplified 'object' representations of the phenomena on SIGWX charts with the more complex nature of actual SIGWX phenomena.



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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 22/44 C	<b>SIGMET template and example for no VA expected</b>	That,  a) ICAO consider modifying the SIGMET template in Annex 3 to include an example to report a situation when no ash is expected in the forecast section of a SIGMET; and  b) the Asia/Pacific SIGMET Guide be amended accordingly with an example of a SIGMET satisfying the condition in a).	ICAO to consider modification of Annex 3 provisions relating to SIGMET	ICAO HQ/ ANB/MET   ICAO APAC Office	Amendment to relevant provision of Annex 3.   Amendment to Asia/Pacific SIGMET guide.	March 2012	<b>COMPLETED</b> Am76 to Annex 3 adopted by Council 27 Feb 2013 (AN 10/1.1-13/39 refers) Applicability 14 Nov 2013;  SIGMET Guide updated accordingly on APAC eDocuments website (Nov 2013).
C 23/21	<b>IMS Operational Concept</b>	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/SWIM at regional level.	ICAO HQ ANB/IIM   APANPIRG/ ATNICG	IMS operational concept of IMS and IPv6 network configuration developed  CBA for IPv6 and IMS/SWIM implementation conducted	IPv6 network configuration at global level  CBA for IP based regional common network conducted	March 2015   April 2014 Completed	<b>IN PROGRESS</b>

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 23/37	Preparations for WRC-15	<p>That,</p> <p>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;</p> <p>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</p> <p>c) States be encouraged to establish consultative groups of aviation industry participants to assist in the preparations for WRC-15 as appropriate.</p>	<p>ICAO APAC Office</p> <p>States</p>	<p>State letter Ref. : T 8/8.10:AP017 /13 (CNS)</p> <p>a) National position for WRC-15 developed in line with ICAO position by States;</p> <p>b) States actively participated various forum for WRC-15;</p> <p>c) ICAO state letter issued urging States to establish industry consultative group</p>	<p>September 2013</p> <p>December 2014</p> <p>December 2014</p> <p>January 2013</p>	<p>SL issued on 31 Jan. 2013</p> <p>On Going</p> <p>On Going</p> <p>Complete</p>	

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 23/38	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	July 2014	Proposed SIP for 2014 was not approved and further postponed to 2015	IN PROGRESS
C 23/41	VAAC Backup Procedures in the ASIA/PAC Region	That, Australia, Japan and New Zealand considers the further development of:  a) VAAC Backup Procedures in the Asia-Pacific Region, as given at <b>Appendix Q</b> to the Report on agenda item 3.4, in order to include Tokyo, Wellington and Darwin VAACs; and  b) Procedures for VAAC Backup Tests between Tokyo, Wellington and Darwin VAACs for inclusion in the Asia/Pacific Regional SIGMET Guide.	a) Japan, New Zealand and Australia;  b) ICAO APAC Office	a) VAAC Backup Procedures for Tokyo/Wellington/Darwin; and  b) Appendix (VAAC Backup Test Procedures) in ASIA/PAC Regional SIGMET Guide	November 2012  (Revised March 2013) (Revised based on expected time-frame for Darwin/Wellington procedures)	In Progress	<b>IN PROGRESS</b>  a) Regional SIGMET Guide template to be reviewed (including VAAC Backup Procedures) and presented to MET/SG/18 for adoption.  b) VAAC Backup Test procedures have been developed between Wellington and Darwin for inclusion in the Asia/Pacific Regional SIGMET Guide

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Conclusion/ Decision No. --- Strategic Objective*	Title of Conclusion/ Decision	Text of Conclusion/Decision	Follow-up Action	To be initiated by	Deliverable	Target date	Status
C 23/45	<b>Implementation of Quality Management Systems for Meteorological Service Provision</b>	That ICAO, in coordination with the World Meteorological Organization (WMO), considers urgent strategies to foster the implementation of quality management systems for meteorological service amongst States in the Asia/Pacific Region in light of the ICAO Annex 3 – Meteorological Service for International Air Navigation requirement applicable 15 November 2012.	ICAO APAC office	Strategy/plan	October 2012  (Revised June 2013)	<b>In Progress</b>	<b>IN PROGRESS</b> States surveyed on QMS status; ICAO/WMO in discussion on plan for assistance

\* **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 -13:

**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.

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