



International Civil Aviation Organization

**SIXTEENTH MEETING OF THE  
COMMUNICATIONS/NAVIGATION/SURVEILLANCE AND  
METEOROLOGY SUB-GROUP (CNS/MET SG/16) OF APANPIRG**

Bangkok, Thailand, 23 – 27 July 2012

**Agenda Item 2: Review**

- 1) Follow-up actions on reports of the CNS/MET SG/15 and APANPIRG/22 Meetings

**REVIEW OF ACTIONS PLAN ON  
THE REPORT OF THE FIFTEENTH CNS/MET SUB-GROUP AND  
TWENTY SECOND APANPIRG MEETINGS**

(Presented by the Secretariat)

**SUMMARY**

This paper presents the status of implementation of Decisions/Conclusions formulated by the Fifteenth meeting of CNS/MET Sub-group and adopted by APANPIRG/22.

This paper relates to -

**Strategic Objectives:**

**A: Safety** - *Enhance global civil aviation safety*

**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*

**GPI (Global Plan Initiatives): All**

**1. Introduction**

1.1 The CNS/MET Sub-Group meet 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 report of CNS/MET Sub-group and considers Draft Decisions/Conclusions developed by the CNS/MET Sub-group for adoption.

**2. Discussion**

2.1 The status of follow-up actions taken by States and ICAO Asia and Pacific Regional Office on the report of the APANPIRG/22 in a Tabular form is provided in the **Attachment 1** to this paper for review by the meeting.

**Agenda Item 2 (1)**

23/07/12

2.2 **Attachment 2** of this paper provides progress of implementation of the outstanding Conclusions till the Twenty First 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 Second 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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**APANPIRG/22 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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
C 22/1  A	<b>FPL 2012 Implementation Co-ordination</b>	That, ICAO be urged to emphasise inter-regional coordination by ensuring regular dialogue, information-sharing and meetings between key personnel and organisations managing the FPL 2012 implementation process.	ICAO HQ to consider ways of strengthening and facilitating inter-regional coordination	ICAO APAC Office  ICAO HQ/ ANB/ATM   ICAO HQ/ ANB/ATM	IOM to ICAO HQ  Interregional coordination through FITS and scheduling regional workshops.   Convening global vendors' conference in December 2011 in Prestwick Scotland (UK), with a view to harmonizing the implementation of the FPL changes.	30 September 2011	Completed  FITS monitoring - on-going. More regional workshops planned in 2012.  Completed	The AN-WG/SRP recommends that the ANC support the Secretariat efforts in ensuring interregional harmonization for FPL 2012 implementation

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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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
C 22/2 A &C	AIM Transition Table	That, the ICAO APAC Regional Office maintains the AIM Transition Table as a means of tracking State transition to AIM, and to provide current details on AIM capability for interoperability, by publishing the State AIS – AIM Transition Table at <b>Appendix B to the Report on Agenda Item 3.2</b> on the APAC web site.	Provision of Asia/Pacific Region AIS – AIM progress information	ICAO APAC Office	Publish the Transition Table on the APAC Office website and update as required	30 September 2011	Completed	
D 22/3 A &C	ATFMSG Terms of Reference	That, the ATFMSG TOR at <b>Appendix C to the Report on Agenda Item 3.2</b> be adopted, noting that the ATFMSG was a forum that develops high-level regional guidance material and regional ATFM policies, which would meet in the future only when required.	Record the ATFMSG TOR	ICAO APAC Office	Update the APAC Office records	30 September 2011	Completed	

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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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
C 22/4  A	APAC ATFM Regional Concept of Operations	That, the APAC ATFM Regional Concept of Operations appended at <b>Appendix D to the Report on Agenda Item 3.2</b> be adopted and provided as reference material on the APAC web site as planning guidance.	Provision of Asia/Pacific Regional ATFM Concept of Operations information	ICAO APAC Office	Publication of regional ATFM concept of operations on the APAC Office website.	30 September 2011	Completed	AN-WG/SRP recommends that the ANC note this conclusion.
			Notify States	ICAO APAC Office	States notified through State letter.		Completed	
C 22/5  A	Major Traffic Flow (New)	That, the traffic flow between the Middle East airports such as Dubai and Abu Dhabi to Australasian or South East Asian airports such as Sydney and Singapore be recognized as APAC Major Traffic Flow AR-10 and recommended as an amendment to the Global Air Navigation Plan (Doc 9750).	Establish the new Major Traffic Flow in the forthcoming updated GANP	ICAO APAC Office  ICAO HQ/ ANB/IIM	IOM to ICAO HQ  Inclusion of new APAC TF AR-10 in the Revised Global Plan.	30 September 2011	Completed  March 2012	AN-WG/SRP recommends that the ANC note this conclusion and request the Secretariat to include this new APAC TF AR-10 in the revised Global Plan.

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D 22/6 A &C	Establishment of SAIOACG	That, the BBACG be renamed as the South Asia Indian Ocean ATM Coordination Group – SAIOACG to cover a geographical area which includes Major Traffic Flows AR-1, AR-4 and AR-10, and that the TOR as appended at <b>Appendix E to the Report on Agenda Item 3.2</b> be adopted.	Notify States	ICAO APAC Office	State Letter SAIOACG Established	30 September 2011	Completed	
C 22/7 A	Asia/Pacific Air Navigation Concept of Operations	That, the Asia/Pacific Air Navigation Concept of Operations provided in <b>Appendix F to the Report on Agenda Item 3.2</b> be adopted and published on the APAC website as regional guidance material for navigation facility, service and avionics equipage planning.	Provision of Asia/Pacific Air Navigation Concept of Operations information  Notify States	ICAO APAC Office	Publication of the Asia/Pacific Air Navigation Concept of Operations on the APAC Office website.	30 September 2011	Completed	AN-WG/SRP recommends that the ANC note this conclusion.

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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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
C 22/8 A	<b>ADS-B Airspace Mandate</b>	That, States intending to implement ADS-B based surveillance services may designate portions of airspace within their area of responsibility:  a) mandate the carriage and use of ADS-B equipment; or  b) provide priority for access to such airspace for aircraft with operative ADS-B as equipment over those aircraft not operating ADS-B equipment.	Notify States	ICAO APAC Office  ICAO HQ/ ANB/IIM	State Letter  Global database of ADS-B equipped aircraft.	30 September 2011	Completed  2013	AN-WG/SRP recommends that the ANC note this conclusion and that the Secretariat should be tasked to explore global coordination solutions.
C 22/9 A & C	<b>Regional ATM Contingency Plan Task Force</b>	That, a Regional ATM Contingency Plan Task Force (RACP/TF) be formed, reporting to APANPIRG through the ATM/AIS/SAR Sub-Group for planning, coordination and implementation of a regional ATM contingency plan, with a link to the METWARN/I Task Force, in accordance with the Terms of Reference as provided in <b>Appendix G to the Report on Agenda Item 3.2.</b>	Notify States	ICAO APAC Office	State Letter  Establish RACP/TF	30 June 2012		

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C 22/10  A &C	<b>RVSM Approvals</b>	That, the States are urged to:  a) ensure that they provide point of contact details and complete RVSM approval data to the appropriate RMA in a timely manner;  b) encourage their ANSP to provide details to their RMA, on a monthly basis, of all flight plans filed showing RVSM approval; and  c) take appropriate action regarding non-compliant aircraft, on the basis of the data provided by their RMA.	Notify States	ICAO APAC Office	State Letter	30 September 2011	Completed	
C 22/11  A	<b>Minimum Monitoring Requirements Amendment</b>	That, the updated Minimum Monitoring Requirements (MMR) Table attached in <b>Appendix B to the Report on Agenda Item 3.3</b> be endorsed for Regional application.	Notify States	ICAO APAC Office	State letter; and Website updated.	30 September 2011	Completed	AN-WG/SRP recommends that the ANC note this conclusion.



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C 22/12 A &C	<b>Provision of Datalink Performance Data to CRA</b>	Noting the pre- and post-implementation system performance monitoring required by Annex 11, the Global Operational Data Link Document (GOLD) and the Guidance Material for End-to-End Safety and Performance Monitoring of Air Traffic Service Data Link Systems in the Asia/Pacific Region, States are urged to ensure that the appropriate data link performance monitoring is undertaken and reported to CRAs/FITs, as required, in a timely manner.	Notify States	ICAO APAC Office	State Letter	30 September 2011	Completed	
D 22/13 A &C	<b>Datalink Performance Monitoring Body</b>	That, the FANS Implementation Team - Bay of Bengal (FIT-BOB) and Southeast Asia (FIT-SEA) be combined as a new body (FIT-Asia), reporting to RASMAG, in accordance with the Terms of Reference appended in Appendix D to the Report on Agenda Item 3.3.	Notify States	ICAO APAC Office	State Letter  Establish FIT Asia	31 August 2012		

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D 22/14 A & C	<b>Bay of Bengal and Arabian Sea Airspace Safety Monitoring Agency (BOBASMA) Endorsement</b>	That, the Bay of Bengal and Arabian Sea Airspace Safety Monitoring Agency (BOBASMA) be endorsed as an En-Route Monitoring Agency (EMA).	Establishment of the BOBASMA	APANPIRG	BOBASMA established	9 September 2011	CLOSED	
D 22/15 A & C	<b>Japan Airspace Safety Monitoring Agency (JASMA) Endorsement</b>	That, the Japan Airspace Safety Monitoring Agency (JASMA) be endorsed as an En-Route Monitoring Agency (EMA), which will also undertake the current Japan Regional Monitoring Agency (RMA) functions.	Establishment of the JASMA	APANPIRG	JASMA established	9 September 2011	CLOSED	
D 22/16 A & C	<b>Revised TOR and Subject/Tasks List of ATNICG</b>	That, the revised Terms of Reference and the updated Subject/Tasks List provided in <b>Appendix A</b> to the Report on Agenda Item 3.4 be adopted.	Notify ATNICG WG/10 and ATNICG	ICAO APAC Office	ATNICG informed. Paper Prepared	May 2012	Completed ATNICG/7 was notified in March 12	

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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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
C 22/17 A	<b>Amendment to FASID Tables – CNS 1B, 1C and 1E</b>	That, FASID Tables CNS 1B – Aeronautical Telecommunication Network (ATN) router plan, Table CNS 1C – ATS Message Handling System (AMHS) routing plan and Table CNS 1E – ATS Inter-facility Data Communication (AIDC) routing plan be replaced with updated Tables provided in <b>Appendices B, C and D</b> to the report on Agenda Item 3.4 in accordance with the established procedures.	Prepare Proposal for Amendment	ICAO APAC Office	Proposal for Amendment (PfA) processed and submitted to HQ for approval.	March 2012	AP042/043/044 issued on 5Apr.12	AN-WG/SRP recommends that the ANC note this conclusion.
C 22/18 A &C	<b>ASIA/PAC AMHS Technical Specifications</b>	That, the ASIA/PAC AMHS Technical Specifications provided in the <b>Appendix E</b> to the report on Agenda Item 3.4 adopted.	Publish on website and notify States	ICAO APAC Office	Published on the website and States notified	November 2011	Completed AP152/11 24 Nov. 11	
C 22/19 A &C	<b>Expedite ATN/AMHS Implementation</b>	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.	Notify the States	ICAO APAC Office	State Letter	February 2012	AP029/12 28 Feb.12	

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<b>Conclusion /Decision No --- Strategic Objective*</b>	<b>Title of Conclusion/Decision</b>	<b>Text of Conclusion/Decision</b>	<b>Follow-up Action</b>	<b>To be initiated by</b>	<b>Deliverable</b>	<b>Target date</b>	<b>Status as of 8/5/ 2012</b>	<b>Action agreed by ANC 2 Feb 12</b>
<b>C 22/20 A &amp;C</b>	<b>Second Satellite Data-link Operational Continuity meeting (SOCM/2) and Seminar on Satellite Data-link Communication</b>	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.	Encourage participation in SOCM/2 Meeting and conduct the meeting	ICAO APAC Office	State Letter  SOCM/2 conducted	November 2011	Completed SOCM/2 conducted 8-10 Feb. 12 back to back with IRSVTF/3	
<b>C 22/21 A &amp;C</b>	<b>Identical SELCAL Codes</b>	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..	Conduct a survey on SELCAL codes	ICAO APAC Office	State Letter	March 2012	Completed	
<b>C 22/22 A &amp;C</b>	<b>GNSS minimum requirement for RNP Navigation Specifications</b>	That, GNSS-enabled area navigation systems for all RNP navigation specifications be adopted as minimum requirement in the Asia/Pacific Region.	Notify States and Int'l Organizations	ICAO APAC Office	State Letter	February 2012	AP/127/11 27Sep.11	
<b>C 22/23 A &amp;C</b>	<b>Participation in the ASIA/PAC Flight Procedure Programme</b>	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).	Encourage States to participate APAC FPP	ICAO APAC Office	State Letter	January 2012	AP/128/11 27Sep.11	

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C 22/24 A & C	<b>Regional RAIM Prediction System and Minimum Technical and Operational Requirements.</b>	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 <b>Appendix F</b> to the Report on Agenda item 3.4 be adopted.	Notify States	ICAO APAC Office	State Letter	December 2011	AP/127/11 27Sep.11	
C 22/25 A & C	<b>Regional PBN Plan Amendment</b>	That, the revised APAC Regional PBN Implementation Plan Version 3.0 provided in <b>Appendix G</b> to the Report on Agenda Item 3.4 be adopted and published.	Publish on the Website	ICAO APAC Office	-State Letter and Published on the website	September 2011	AP/128/11 27Sep.11	
C 22/26 A & C	<b>Workshop on GNSS implementation</b>	That, ICAO be invited to organize a Workshop on GNSS implementation to address issues identified through the GNSS implementation survey conducted in 2010.	Organize GNSS implementation Workshop	ICAO APAC Office  ICAO HQ	Workshop conducted	June 2012	Conducted 26Mar12	

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C 22/27 A &C	<b>Sharing of Ionospheric Data</b>	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.	Urge States to share available GNSS data	ICAO APAC Office	State Letter	November 2011	AP155/11 25Nov.11	
C 22/28 A &C	<b>Protection of aviation utility of GNSS</b>	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.	Notify States	ICAO APAC Office	State Letter	November 2011	AP156/11 25Nov.11	
C 22/29 A	<b>Revised Navigation Strategy for the Asia/Pacific Region</b>	That, the revised Navigation Strategy for the Asia/Pacific Region provided in <b>Appendix H</b> to the Report on Agenda Item 3.4 be adopted.	Notify States	ICAO APAC Office	State Letter	October 2011	Completed AP133/11 20Oct.11	AN-WG/SRP recommends that the ANC note this conclusion.
D 22/30 A &C	<b>Subject/Tasks List of ADS-B Study and Implementation</b>	That, the updated Subject/Tasks List of ADS-B Study and Implementation Task Force provided in <b>Appendix I</b> to the Report on Agenda Item 3.4 be adopted.	Notify ADS-B SITF	ICAO APAC Office	State Letter	April 2012	Completed ADS-B SITF/11 was notified	



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C 22/32 A &C	<b>Coordination for VHF for sharing Voice Communication Capability</b>	<p>That,</p> <p>a) States be urged to support provision of VHF radio voice air/ground communication infrastructure for use by adjacent States; and</p> <p>b) 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.</p>	Notify States	ICAO APAC Office	State Letter	November 2011	SL AP153/11 issued on 24 Nov. 11	
C 22/33 A &C	<b>Support DO260B Compliant Avionics</b>	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.	Notify States	ICAO APAC Office	State Letter	December 2011	AP162/11 issued on 8 Dec. 2011	



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D 22/34 A &C	<b>Name and Terms of Cooperation of ADS-B Implementation WG</b>	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.	Notify SEA/BOB ADS-B WG	ICAO APAC Office	SEA/BOB ADS-B WG notified  Paper prepared	November 2011	Completed. SEA/BOB/7 held in Nov. 11. Revised Terms of Coop. was developed.	
C 22/35 A &C	<b>Expedite ADS-B implementation project in South China Sea area</b>	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.	Notify States	ICAO APAC Office	State Letter	December 2011	SL AP163/11 issued on 8 Dec.2011	

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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.	May 2012  May 2012	PfA slightly amended and processed in May. 12	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.



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C 22/38  A &C	<b>Frequency Spectrum Management</b>	<p>That</p> <p>1. States be urged to actively coordinate with their national radio regulator to consider:</p> <p style="padding-left: 20px;">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;</p> <p style="padding-left: 20px;">b) developing technical and regulatory arrangements to ensure operating environment without harmful interference</p> <p>2. 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)</p>	Notify States	ICAO APAC Office	State Letter	October 2011	Completed API32/11 issued on 19 Oct. 2011	

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C 22/39  A &C	<b>Accessibility to WIFS and currency of WIFS User Guide and Administrative Messages</b>	That,  a) States be advised to monitor administrative messages on WIFS and to periodically access the WIFS Advisories page for any interim updates to the WIFS Users Guide for changes in the operations of WIFS; and  b) States be urged to use the single common URL ( <a href="http://www.aviationweather.gov/wifs/data">www.aviationweather.gov/wifs/data</a> ), and transit to the common URL as soon as possible as required	Draw attention of States for action	ICAO APAC Office	State Letter	December 2011		

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C 22/40 A &C	Secure SADIS FTP download speed	That,  a)the WAFS/I TF survey APAC States to determine if an upgrade to Secure SADIS FTP download speed is considered beneficial; and  b) SADISOPSG Member State, on behalf of WAFS/1 TF, submit a paper on the regional survey results to the SADISOPSG/17 meeting.	Conduct a survey    Prepare a WP	ICAO APAC Office on behalf of WAFS/I Task Force	State Letter   WP prepared	January 2012   May 2012		
C 22/41 A &C	Improvement of WAFS SIGMET availability	That, the SADIS and ISCS States be invited to participate in regional SIGMET monitoring exercises and/or regional SIGMET tests in the APAC Region in an effort to improve the availability of SIGMET.	Request SADIS and ISCS States to conduct monitoring of Regional SIGMET and to conduct tests	ICAO APAC Office	State Letter to SADIS and ISCS States	January 2012		

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C 22/42 A &C	<b>Improvement of WAFC SIGWX charts</b>	That, the WAFSOPSG be invited to request the WAFC Provider States to provide SIGWX chart verification results, if any, to illustrate the degree of accuracy of their SIGWX charts.	Invite WAFSOPSG to request WAFC provider States to improve SIGWX charts	ICAO APAC Office	Letter to Secretary WAFSOPG	February 2012		
C 22/43 C	<b>SIGMET code</b>	That, ICAO invites WMO to consider the feasibility of developing a code form for SIGMET information.	ICAO to invite WMO to consider the proposal.	ICAO HQ/ ANB/MET	Letter to WMO	February 2012	February 2012	AN-WG/SRP recommends that the ANC note this conclusion and call upon the Secretariat to process the APANPIRG's request for developing an alphanumeric code form for SIGMET information in accordance with established practice.

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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	November 2013  December 2013	AN-WG/SRP, recommends that the ANC endorse this conclusion and note that work is already in progress for revising the SIGMET template in Annex 3.
C 22/45 A &C	<b>Improvement of timeliness, regularity and availability of OPMET data on the SADIS and ISCS broadcast</b>	That ICAO be invited,  a) to request States to implement the standardized procedures for the issuance of OPMET data as specified in - the ROBEX Handbook ; and  b) to inform States of the details provided in the IATA monitoring for the ASIA/PAC region.	Request States to implement procedure specified in ROBEX Handbook for OPMET exchanges	ICAO APAC Office	State Letter	March 2012		



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<b>Conclusion /Decision No --- Strategic Objective*</b>	<b>Title of Conclusion/Decision</b>	<b>Text of Conclusion/Decision</b>	<b>Follow-up Action</b>	<b>To be initiated by</b>	<b>Deliverable</b>	<b>Target date</b>	<b>Status as of 8/5/ 2012</b>	<b>Action agreed by ANC 2 Feb 12</b>
<b>C 22/46 A &amp;C</b>	<b>Amendment to Intro Text of Part IV of Asia/Pacific BANP</b>	That, the amendment proposed to Part IV – CNS of the Asia Pacific Regions Air Navigation Plan (Doc 9673), Volume 1, Basic ANP provided in <b>Appendix S</b> to the report on Agenda Item 3.4 be adopted and incorporated in the Plan in accordance with the established procedure.	Prepare and process PfA to BANP	ICAO APAC Office	PfA processed	May 2012	SL –AP047/12 issued 4 May 12	
<b>C 22/47 A &amp;C</b>	<b>Training Manual (Doc 7192) Part E-2</b>	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.	Notify States	ICAO APAC Office	State Letter	February 2012	AP030/12 issued on 1 Mar. 12	
<b>C 22/48 A &amp;C</b>	<b>Trials on XML based data over AMHS</b>	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.	Urge States to conduct trials and identify characteristics of XML data	ICAO APAC Office	State Letter	February 2012	AP029/12 28 Feb. 12	



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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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
C 22/50 A & C	<b>Addition of the APANPIRG Air Navigation Deficiencies for non compliance with Annex 14 SARPs</b>	That, the AOP Air Navigation Deficiencies reported and identified in Attachment B1 to the Report on Agenda Item 4 be added to the APANPIRG Air Navigation Deficiencies List B.	Notify States	ICAO APAC Office	State Letter	February 2012	Completed	
C 22/51 A & C	<b>Addition of the APANPIRG Air Navigation Deficiency for lack of SIGMET in equatorial region</b>	That, a) the lack of SIGMET for Port Moresby, Honiara, and Nauru FIRs be included in the list of air navigation deficiency; and  b) States concerned be urged to take urgent action to seek assistance from State in a position to do so to provide the service until such time the States concerned can provide their own SIGMET.	Urge States concerned to take necessary action	ICAO APAC Office	State Letter	December 2011		

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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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
D 22/52 A & C	New APANPIRG Structure	That, in consideration of optimizing the effectiveness and efficiency of the contributory bodies of APANPIRG and in accordance with the provisions of the APANPIRG Procedural Handbook the new APANPIRG Structure as shown in Appendix B to the Report on Agenda item 5 will become effective from 2013 meeting year and subject to a further review in 2016.	Notify States, Chairperson and Vice Chairperson of Sub Groups.	ICAO APAC Office	State letter	November 2011	Completed SL dated 21/11/2011	
D 22/53 A & C	Term for Chairperson/Vice Chairperson of Sub Groups	That, the term of the Chairperson and Vice Chairperson of the sub groups shall be for a maximum period of four years. The incumbent may stand for re-election”.	Notify States, Chairperson and Vice Chairperson of Sub Groups.  Amendment to APANPIRG procedural Hand Book	ICAO APAC Office	State letter  Presented to APANPIRG	November 2011  September 2012	Completed SL dated 21/11/2011	

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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 as of 8/5/ 2012	Action agreed by ANC 2 Feb 12
D 22/54 A & C	<b>Revised Terms of Reference of APANPIRG Sub group and AOP Working Group</b>	That, the revised Terms of Reference of APANPIRG Sub Group and AOP Working Group as shown in <b>Attachment C to the Report on Agenda Item 5</b> be adopted and become effective from 2013 meeting year.	Notify States	ICAO APAC office	State Letter	November 2011	Completed SL dated 21/11/2011	
D 22/55 A & C	<b>Dissolution of ABSRTF</b>	That, the ABSRTF having completed its task as set out in its Terms of Reference, be dissolved.	Notify States	ICAO APAC office	State Letter	December 2011	Completed SL dated 21/11/ 2011	
D 22/56 A & C	<b>Establishment of Asia/Pacific Seamless ATM Planning Group</b>	That an Asia/Pacific Seamless ATM Planning Group (APSAPG) composed of high level officials/representatives nominated by the States in the Asia/ Pacific Region and International Organizations be established, reporting to APANPIRG, in accordance with the Terms of Reference as shown in <b>Appendix D to the Report on Agenda Item 5.</b>	Notify States  Establish APS APG	ICAO APAC office	State Letter  APS APG established	February 2012	Completed	

\* **Note:** 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; **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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**Status of Outstanding Conclusions/Decisions – Action Plan**

<b>Conclusion/ Decision No. --- Strategic Objective*</b>	<b>Title of Conclusion/ Decision</b>	<b>Text of Conclusion/Decision</b>	<b>Follow-up Action</b>	<b>To be initiated by</b>	<b>Deliverable</b>	<b>Target date</b>	<b>Status</b>
<b>C 19/43  D</b>	<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>Dec 2010</p> <p>Revised target date- Dec 2013</p> <p>Dec 2010</p> <p>Revised target date Sep 2012</p>	<p><b>ON GOING</b></p> <p>Revised target date Dec 2013 (updated twice, the last target date 2011)</p> <p>ANC action-Noted and invited the Secretary General to invite WAFS provider States in coordination with ICAO and WMO to organize the required training.</p> <p><u>WAFSOPSG/6 C 6/12:</u> develop guidance on the interpretation of the forecasts for WAFSOPSG/7</p> <p><u>WAFSOPSG/6 C 6/13:</u> review training requirements based on guidance developed (Sep 2012)</p>

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

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C 20/32	<b>Second Satellite Data-link Operational Continuity Meeting</b>	That, ICAO be invited to organize 2 <sup>nd</sup> Satellite Data-link Operational Continuity Meeting in 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.	<b>Coordination and organize SOCM/2 Meeting</b>	<b>ICAO APAC Office</b>	<b>Meeting conducted</b>	<b>Oct 2010  Revised target date Feb. 2012</b>	<b>On Going</b> Rescheduled to 8-10 February 2012 .
C 20/68	<b>Expanded WV SIGMET Test Development</b>	That,  a) Japan be invited to further develop an expanded WV SIGMET Test utilizing automated templates in consultation with the Darwin VAAC; and  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.	<b>Develop WV expansion SIGMET test  Conduct and report on trial test</b>	<b>Japan/ VAAC Darwin  Japan</b>	<b>Updated WV expansion SIGMET Test  Test results included in OPMET/M TF/8 and CNS/MET SG/14 reports</b>	<b>Apr 2010  Revised target date July 2012</b>	<b>ON GOING</b> Efforts suspended due to earthquake/Tsunami and accidental release of radioactive material
C 21/6	<b>Notification of State Transition Date to the New flight Plan Format</b>	That, in order to keep the ICAO Flight Plan Implementation Tracking System (FITS) website updated, States which have not yet provided data inform the Regional Office of the initial set of data required in the FITS website, such as scheduled date and contact person, by 22 October 2010, and subsequently update the data as required.	Update FITS	States	a) State letter  b) FITS update	September 2010  22 October 2010	COMPLETE  <b>ONGOING</b>

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

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<b>C 21/7</b>	<b>Use of Global database for allocation of five- letter name codes in the Asia and Pacific Regions</b>	That, States which have not yet done so be urged to:  a) nominate an ICARD authorized user in order to make use of the ICARD system and improve the process of allocation of Five-Letter Name-Codes (5LNCs);  b) review the list of allocated 5LNCs with respect to each States, identify non-used, duplicate or non-ICAO 5LNCs and take actions to rectify the situations; and  c) update the ICARD database by adding missing information, e.g. latitude and longitude coordinates, etc; and  d) take necessary actions to implement the widespread use of the ICARD system.	a) nominate user  b) review 5LNCs  c) update ICARD  d) implement ICARD	States	a) authorized user  b) resolutions of duplication or non-ICAO 5LNC  c) ICARD update	Ongoing  Ongoing  Ongoing	<b>ONGOING</b>



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<b>Conclusion/ Decision No. --- Strategic Objective*</b>	<b>Title of Conclusion/ Decision</b>	<b>Text of Conclusion/Decision</b>	<b>Follow-up Action</b>	<b>To be initiated by</b>	<b>Deliverable</b>	<b>Target date</b>	<b>Status</b>
<b>D 21/9</b>	<b>Develop Sub-Regional volcanic Ash Contingency Plan</b>	That,  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  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.	CNS/MET SG to develop volcanic ash contingency plans  States to provide POC for volcanic ash events	ICAO APAC  ICAO APAC	Volcanic ash regional contingency plan  Contingency contact list  Assignment of duties – CNS/MET SG/14 D14/30 to METWARN/I TF and MET/ATM TF	Dec 2011  Jan 2011	<b>IN PROGRESS</b>    <b>COMPLETE</b>
<b>C 21/10</b>	<b>Transfer FASID Table ATS 2 from ATS to MET</b>	That, ICAO considers the transfer of FASID Table ATS 2, HF radiotelephony VOLMET broadcasts, from ATS to MET, which would involve moving the Tables related to VOLMET broadcasts from the ATS part to the MET part of all ANP/FASID, where applicable.	HQ to assess the transfer of FASID Table ATS 2 to MET part	ICAO HQ	Review of FASID. Modifications, if any, to be incorporated in e ANP	Dec 2011  HQ- November 2012	

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

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<b>D 21/11</b>	<b>ATM/AIS/SAR Task List</b>	That the ATM/AIS/SAR Sub-Group Task List and attachments contained in Appendix D to the APANPIRG Report on Agenda Item 3.2 be adopted as the current work programme for the ATM/AIS/SAR Sub-Group of APANPIRG.	Adopt the task list	ATM/AIS/SAR/ SG/21	Task List	June 2011	
<b>C 21/13</b>	<b>Coordination for the Transition to the NEW Flight Plan Format among States</b>	That, as the global and the regional harmonization is crucial in implementing the NEW flight plan format by 15 November 2012, States start close coordination soon with adjacent States/FIRs on transition about, but not limited to:  i) difference of timing for transition between the States/FIRs;  ii) operations in the mixed environment of PRESENT and NEW;  iii) operational transition for AIDC; and  iv) procedures when ATS messages are not processed properly.	Start coordination	ICAO APAC Office  States  ICAO HQ	State letter  Coordination  Global harmonization through monitoring of implementation status on ICAO FITS portal	March 2011   Nov 2012	<b>In Progress</b>
<b>C 21/25</b>	<b>Japan/Russia AFTN Routing Change</b>	That, ICAO be requested to coordinate with Europe Region for updating AFTN routing directory and consequential change to the APAC AFTN routing directory.	Coordinate with ICAO European Office for the change	ICAO APAC Office	Coordination carried out and Routing Directory updated	March 2011	<b>Coordination was carried out. Comments are awaited from concerned</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 21/45	<b>Transition to WAFS Internet File Service (WIFS) from ISCS-G2</b>	<p>That,</p> <p>a) The ISCS Provider State will work with States, in cooperation with the ICAO Secretariat and Asia and Pacific Regional Office, to assist States with the implementation of WIFS by March 2012;</p> <p>b) States to update Points of Contact in Appendix R to this Report and submit the WIFS registration form; and</p> <p>c) ICAO Asia and Pacific Regional Office to request States to advise on the status of their implementation of WIFS by March 2011.</p> <p><i>Note 1: The data currently being provided by ISCS satellite service will only be available via the WAFS Internet File Service (WIFS) after June 30 2012.</i></p> <p><i>Note 2: WIFS commenced operation in May 2010.</i></p>	<p>Assist in WIFS implementation</p> <p>Update POC of ISCS/WIFS users and encourage WIFS registration</p> <p>Inquire with States on status of WIFS implementation</p>	<p>ISCS Provider State</p> <p>ICAO APAC</p> <p>ICAO APAC</p>	<p>Regional Implementation of WIFS</p> <p>State letter</p> <p>State letter</p>	<p>Mar 2012</p> <p>Dec 2010</p> <p>Dec 2010</p>	<p><b>ON GOING</b></p> <p>COMPLETE (SL – 27Sep2010)</p> <p>COMPLETE (SL – 27Sep2010)</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	Improvements to WAFS Implementation	<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>July 2011</p>	<p><b>ONGOING</b> WAFSOPSG/6 C6/8 – provide guidance on requirement to onward-forward WAFS SIGWX forecast correction messages to users and report back to WAFSOPSG/7</p>
C 21/47	Improvements to VA and TC advisories	<p>That,</p> <p>The IAVWOPSG consider including the file name of the graphical advisories, if issued, under “Remarks” of the corresponding textual advisories.</p>	Determine if link between graphical and textual advisories is necessary	IAVWOPSG/6 (September 2011)	Update relevant standards (Am 76 to Annex 3) and/or guidance material if necessary	2013	

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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>COMPLETE</p> <p><b>ONGOING</b> (all regions submitted latest version table in excel format to HQ in Nov 2010, except for NAM)</p> <p>WAFSOPSG/6 noted development of database at HQ (but will not meet target date)</p>

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C 21/53	<b>Elimination of ATM Air Navigation Deficiencies</b>	That, States concerned a) be urged to take urgent actions to correct the deficiencies in the ATM/AIS/SAR fields identified in Attachment A to the Report on Agenda Item 4 ; b) notify details of the problems/difficulties to the Regional Office; and c) designate a point of contact in each State to deal with deficiencies and provide details to the Regional Office by 22 October 2010.	a) take actions to correct deficiencies b) notify details of difficulty c) designate point of contact	States	less deficiencies  remedial actions  point of contact	Ongoing  Ongoing  22 October 2010	COMPLETE
C 21/56	<b>Cost Recovery Guidance Material Update</b>	That, ICAO be invited to consider updating the cost recovery guidance material that would take into account States whose air traffic volume is not sufficient in obtaining the cost recovery for the necessary MET services required in Annex 3 and consider shared services in airspace blocks that are based on the number flights needed in obtaining the necessary cost for the services required for that airspace block.	HQ to consider updating cost recovery guidance material	ICAO HQ	Updated Guidance Material (Doc 9161) if deemed necessary by ATB	2012	<b>ONGOING</b>

\* **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.