



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TWENTY SECOND MEETING OF THE
ASIA/PACIFIC AIR NAVIGATION PLANNING AND
IMPLEMENTATION REGIONAL GROUP (APANPIRG/22)**

Bangkok, Thailand, 5-9 September 2011

Agenda Item 1: Follow-up on the Outcome of APANPIRG/21 Meeting
1.2

**STATUS OF IMPLEMENTATION OF APANPIRG/21
CONCLUSIONS AND DECISIONS**

(Presented by the Secretariat)

SUMMARY

This paper presents the follow-up action taken by ICAO and States on the APANPIRG/21 Conclusions and Decisions.

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

Global Plan Initiatives-All

Refer to Para 3 for action by APANPIRG/22

1. INTRODUCTION

1.1 APANPIRG/21 adopted the table which provides for each Conclusion/Decision, related ICAO strategic objective (s), the follow-up action to be taken, organisation 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.

2. DISCUSSION

2.1 APANPIRG/21 adopted 49 Conclusions and 10 Decisions which are presented in the attachment Appendix A to this paper. Appendix 'A' details Action Plan for the implementation of APANPIRG/21 Conclusions/Decisions. A column is added to the table to show the action taken by ANC. Out of the 59 items listed; action has been taken to close/complete 36 Conclusions and 8 Decisions. Action on the remaining 13 Conclusions and 2 Decisions are still ongoing.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the progress made on the APANPIRG/21 Conclusions and Decisions as given in Appendix A to this paper; and
- b) review and propose further action.

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/1	States air navigation modernization plans	That, States developing their national air navigation modernization plans, which may have an impact on ICAO SARPs, be urged to share those plans in a timely manner with ICAO for review and assessment, to ensure global compatibility and harmonization.	Notify states	ICAO APAC office ICAO HQ/ ANB/CNS	State letter Established procedures	February 2011	COMPLETE COMPLETE	Noted. Requested the Secretariat to provide more details on the established procedures for the harmonization of these modernization plans.
C 21/2	Wildlife hazard reduction	That, States confronting problems of wildlife/bird strike hazard to consider developing and implementing an effective wildlife hazard management plan with procedures to control wildlife at or near airports.	Notify States	ICAO APAC office	State letter	January 2011	COMPLETE	
C 21/3	Common Set of Performance Metrics for all the ICAO Regions	That, ICAO be invited to: a) develop a common set of performance metrics for all the ICAO regions so as to facilitate comparative analysis; and b) establish the globally harmonised guidance on methodology of how to collect the data in order to achieve commonality.	HQ to develop a common set of performance metrics and establish the globally harmonized guidance.	ICAO APAC Office ICAO HQ	Issue Form A common set of performance metrics for all ICAO regions including guidance material for collection of data.	December 2010 September 2011	COMPLETE	Supported the conclusion and requested the Secretariat to develop a common set of metrics applicable to all regions along with guidance for the collection of data.

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/4	Regional Guidance material for the implementation of Amendment 1 to PANS-ATM	That, in order for States to clearly understand what is intended in Amendment 1, the 'Asia/Pacific Guidance Material for the Implementation of Amendment 1 to the 15 th Edition of the Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM, Doc 4444)' provided in Appendix B to the APANPIRG/21 Report on Agenda Item 3.2 be adopted and published as regional guidance material.	Publish the guidance material	ICAO APAC office	a) State letter b) Upload on the website	September 2010 September 2010	COMPLETE COMPLETE	Noted
C 21/5	Strategy for implementation of New flight Plan Format	That, the 'Strategy for the Implementation of new ICAO Flight Plan Format and Supporting ATS Messages' provided in Appendix C to the APANPIRG/21 Report on Agenda Item 3.2 be adopted and published. States and users to be urged to continue implementation planning based on the strategy.	Publish the strategy	ICAO APAC Office	a) State letter b) Upload on the website	September 2010 September 2010	COMPLETE COMPLETE	Noted.
C 21/6	Notification of State Transition Date to the New flight Plan Format	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 ONGOING	Noted.

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/7	Use of Global database for allocation of five-letter name codes in the Asia and Pacific Regions	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	ONGOING	
C 21/8	ICAO Asia/Pacific Seamless ATM workshop	That, ICAO be invited to organize the Asia and Pacific Seamless ATM Workshop to be held in early 2011 inviting the APANPIRG member States and other parties of interest in order to foster discussion and action for the Asia and Pacific States in the planning of the future air traffic management system, considering the overall vision for the region for seamless ATM.	Convene Seamless ATM Workshop	ICAO APAC Office	Seamless ATM Workshop	February 2011 Deferred	15-17 August 2011	

APANPIRG/21 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 31 July 2011	ANC Action recommended
D 21/9	Develop Sub- Regional volcanic Ash Contingency Plan	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	IN PROGRESS COMPLETE	Noted and requested the Secretariat to expedite the development of Volcanic ash regional contingency plan in coordination with all parties concerned. Collaborative Decision Making based coordination between Singapore, Indonesia, Malaysia, Philippines and Thailand is basis of development and framework developed at METWARN/I TF for ATM/AIS/SAR SG/22 consideration in overall regional contingency plan
C 21/10	Transfer FASID Table ATS 2 from ATS to MET	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		Noted and requested the Secretariat to review as a part of overall exercise for converting all ANPs to e ANPs.

APANPIRG/21 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 31 July 2011	ANC Action recommended
D 21/11	ATM/AIS/SAR Task List	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		
C 21/12	Convening of the Seamless- ATM Ad Hoc meeting	That, while recognizing the seamless ATM needs to be addressed in a holistic manner, ICAO Regional Office be invited to organize a seamless ATM Ad Hoc working group meeting as soon as possible.	Convene the Seamless ATM Ad-Hoc Meeting	ICAO APAC Office	Seamless ATM Ad-Hoc Meeting	As soon as possible but not later than February 2011	August 2011	
C 21/13	Coordination for the Transition to the NEW Flight Plan Format among States	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	In Progress	Noted and requested the Secretariat to continue to monitor the implementation status of every State on ICAO FITS portal and ensure global harmonization for a transition to NEW Flight Plan.

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/14	Enhancement of the Global Coordination for Implementation of the NEW Flight Plan Format	That, in light of the varying degree of States in implementing the NEW flight plan format, ICAO: i) urge all the States, including those outside the Asia/Pacific Region, to record their readiness in the FITS; ii) take action to ensure that any States or ICAO regions not use non-standard local procedures; and iii) ensure appropriate coordination take place between ICAO regional planning and implementation groups (PIRGs) to address implementation issues.	Enhance global coordination	ICAO HQ	Issue Form Global harmonization through monitoring of implementation status on ICAO FITS portal	April 2011 Nov 2012	COMPLETE	Noted and requested the Secretariat to continue to monitor the implementation status of every State on ICAO FITS Portal and ensure global harmonization for a transition to NEW Flight Plan.
C 21/15	Responsibility Area of China RMA	That, the China RMA be approved as an APANPIRG Asia/Pacific RVSM Regional Monitoring Agency with responsibility for all RVSM airspaces in China FIRs, and the Pyongyang FIR.	Approve China RMA for the expansion of responsibility	ICAO APAC Office	State letter to China and MAAR	September 2010	COMPLETE	Noted
D 21/16	ATNICG Subject/Tasks List	That, the updated Subject/Tasks List placed at Appendix A to the Report on Agenda Item 3.4 be adopted.	Notify ATNICG /8 and ATNICG/6	ICAO APAC Office	ATNICG WG and ATNICG informed and paper prepared	September 2010 May 2011	COMPLETE COMPLETE	

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/17	ICAO Doc 9896 clarifications	That ICAO be invited to provide clarifications on the following issues related to ATN/AMHS implementation. i) VoIP should be limited to ATS ground service since the ICAO approach is to encourage data communication such as CPDLC. Furthermore, the VoIP performance is network dependent and thus performance acceptance is varied; ii) how the States will come to know about updates on the relevant RFCs; and iii) IPv6 address structure.	Prepare Issue Form	ICAO APAC Office ICAO HQ/ANB/CNS	Issue form sent to ICAO HQ SARPs related to ATN/AMHS implementation	December 2010 2012	COMPLETE	Noted and requested the Secretariat to provide clarifications on the issues related to ATN/AMHS implementation.
D 21/18	Regional ATN/AMHS Implementation Planner	That, the Asia/Pacific Regional Implementation Planner Placed at Appendix B to the Report on Agenda Item 3.4 be adopted to report ATN/AMHS implementation progress in the region.	Notify ATNICG WG and ATNICG	ICAO APAC Office	ATNICG WG and ATNICG informed	September 2010 May 2011	COMPLETE COMPLETE	
C 21/19	AMHS connectivity with ICAO MID region	That Singapore, Pakistan and India take initiative in transiting to AMHS connectivity with Bahrain, Kuwait, Iran and Oman respectively at the earliest.	Remind States concerned to take initiative	ICAO APAC Office States concerned	States reminded and initiative by States taken	April 2011	COMPLETE AP-CNS0205 AP-CNS0206 24 Dec. 10	

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/20	Strategy for Implementation of Aeronautical Telecommunication Network (ATN) in the Asia/Pacific Region	That, the document provided at Appendix C to the Report on Agenda Item 3.4 be adopted as Strategy for Implementation of Aeronautical Telecommunication Network (ATN) in the Asia/Pacific Region.	Notify States	ICAO APAC Office	State Letter Available on the website	November 2010	COMPLETE API84/10 13 Dec. 10	Noted
C 21/21	AMC Information Form	That, States be invited to provide data for AMC in respect of their Administration in the format provided at Appendix D to the report on agenda item 3.4.	Notify States	ICAO APAC Office	State Letter	November 2010	COMPLETE API87/10 13Dec10	
C 21/22	Asia/Pacific ATN Interim Addressing Plan	That, i) the proposed IPv6 and IPv4 addressing schemes be submitted to ICAO and ICAO be requested to consider a global IPv6 addressing scheme for ground-ground communication; ii) the proposed IPv4 address plan placed at Appendix E to this report on agenda item 3.4 be adopted to enable the Asia/Pacific ATN ground IPS network implementation to proceed using IPv4 in the interim with minimum delay; and iii) The Asia/Pacific region transition to IPv6 once the above issues have been resolved.	Prepare Issue Form and notify the States	ICAO APAC Office ICAO HQ	Issue Form sent to HQ and State letter A global IPv6 addressing scheme for ground-ground communication IPv4 address plan in order to enable the Asia/Pacific ATN ground IPS network implementation Transition to IPv6	March 2011 2012 COMPLETE TBD	COMPLETE COMPLETE COMPLETE	Noted and requested the Secretariat to develop SARPs for a global IPv6 addressing scheme for ground-ground communication. Noted Noted

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/23	Amendment/update of Regional ATN/AMHS Guidance Documents	<p>That, the following amended Regional Guidance Documents for ATN/AMHS implementation be adopted and distributed to the States.</p> <p>a) the amended Asia/Pacific ATN Network Service Access Point (NSAP) Addressing Plan for Asia/Pacific Region as provided in the Appendix F to the Report on Agenda Item 3.4;</p> <p>b) the Test Procedure for ATN Router Connection Test, Annex C to Asia/Pacific AMHS Manual as provided in the Appendix G to the Report on Agenda Item 3.4;</p> <p>c) “Asia/Pacific ATN Security Guidance Document” to replace the existing Asia/Pacific ATN Security Guidance Document, Draft First Edition as provided in Appendix H to the Report on Agenda Item 3.4; and</p> <p>d) the phased testing procedure to transit from AFTN routing to MTA-to-any-MTA routing to be incorporated in the AMHS Manual as provided in Appendix I to the Report on Agenda Item 3.4.</p>	Notify States	ICAO APAC Office	<p>State Letter</p> <p>Updated guidance material available on the website</p>	November 2010	<p>COMPLETE</p> <p><u>/ AP040/11 24/0311</u></p>	

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/24	Points for Proposed Defect Report (PDR) (Amendment Proposal) raised in the region	That, States be invited to present their ATN/AMHS implementation related Points for Proposed Defect Report (PDR) (Amendment Proposal) to the ICAO APAC Office. These points will be presented to the ATNICG/ATNICG Working Group (whichever is scheduled earlier) by the Secretariat for endorsement, so that these points, along with the ATNICG/ATNICG WG recommendations can be forwarded to ACP WG – M Secretariat through ICAO APAC Office	Notify States	ICAO APAC Office	State Letter and Procedure is followed	December 2010	COMPLETE AP182/10 9Dec10	
C 21/25	Japan/Russia AFTN Routing Change	That, ICAO be requested to coordinate with Europe Region for updating AFTN routing directory and consequential change to the APAC AFTN routing directory.	Coordinate with ICAO European Office for the change	ICAO APAC Office	Coordination carried out and Routing Directory updated	March 2011	Coordination carried out. Comments are awaited from concerned	
C 21/26	Pan-Regional ICD for AIDC	That, ICAO Regional Office inform the NATSPG that the proposed title “Pan-regional ICD for Oceanic AIDC” is unacceptable as the ICD for AIDC is applicable for use by all ATS and ATM facilities in both oceanic, and continental areas within the Asia Pacific Region; and that the document should be titled as “Pan-Regional ICD for AIDC.	Inform NATSPG through EUR Office	ICAO APAC Office	ICAO ERU Office and NATSPG informed	November 2010	COMPLETE CNS0209/10 9Dec10	

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/27	Inter-regional ad hoc SATCOM Task Force	That, a) the Terms of Reference of the inter-regional ad hoc Satellite Voice Communication (SATCOM) Task Force adopted by NAT System Planning Group as provided at Appendix J to the Report on Agenda Item 3.4 be endorsed; and b) the outcome of the task force should be coordinated with the CNS/MET Sub-group of APANPIRG.	Inform ICAO EUR Office and CNS/MET SG	ICAO APAC Office	ICAO EUR Office and CNS/MET SG informed	December 2010 July 2011	COMPLETE COMPLETE	
C 21/28	Regional HF Management Guidance Material	That, the HF Management Guidance Material for the South Pacific as provided in the Appendix K to the Report on Agenda Item 3.4 be adopted as Part One of Asia/Pacific Regional Guidance Material for HF Management.	Notify States	ICAO APAC Office	State Letter and GM on the website	December 2010	COMPLETE CNS0183/10 9Dec10	
D 21/29	PBN Task Force Tasks List	That, the PBN Task Force Tasks List provided at Appendix L to the Report on Agenda Item 3.4 be adopted.	Notify PBN TF	ICAO APAC Office	Paper prepared and PBNTF informed	March 2011	COMPLETE The adopted Task List noted by the PBN TF at its meeting in May 2011	

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/30	Limitation of Older Generation FMS	That, ICAO (IFPP, PBNSG) be invited to note, once again, the importance of the limitation of older generation FMS in storing multiple procedures for the same type of navigation system for a runway. This limitation occurs when pilots attempt to select a specific approach that is not stored in the FMS navigation database. ICAO is requested to consider establishing additional guidance, supplementing existing PANS provisions and to explore solution(s).	Prepare Issue Form	ICAO APAC Office ICAO HQ	Issue Form sent to HQ Additional guidance supplementing existing PANS provisions regarding limitation of older generation FMS	October 2010 2012	COMPLETE 2012	Noted and requested the Secretariat to develop guidance supplementing existing PANS provisions regarding limitation of older generation FMS.
C 21/31	Revised APAC Regional PBN Implementation Plan	That, the revised APAC Regional PBN Implementation Plan Version 2.0 provided in Appendix M to the Report on Agenda Item 3.4 be adopted.	Notify States	ICAO APAC Office ICAO HQ	State Letter Revised APAC Regional PBN Implementation Plan	October 2010	COMPLETE	Noted the delay in implementation of PBN and requested the Secretariat to consider what can be done to encourage greater progress.
C 21/32	Develop State PBN Implementation Plan	That, the States, which have not developed their State PBN Implementation Plans so far, be urged to develop the plan in accordance with the Asia/Pacific Regional PBN Implementation Plan at the earliest and advise the Regional Office of the impediments in the implementation of PBN.	Urge State and identify impediments	ICAO APAC Office States	State Letter Impediments in the implementation of PBN informed	March 2011	COMPLETE	Noted the delay in implementation of PBN and requested the Secretariat to consider what can be done to encourage greater progress..

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/33	Aircraft Equipage Requirements	That, ICAO provides guidance on aircraft that do not have a lateral and vertical readout on the navigation display, but do display the lateral and vertical profile on the navigation equipment, which could be considered as an alternate means of compliance, if supplemented by appropriate flight crew training for RNP value of 0.3 RNP or greater.	Prepare Issue Form	ICAO APAC Office ICAO HQ	Issue Form sent to ICAO HQ and Required guidance provided Guidance on aircraft equipage requirements for RNP value of 0.3 or greater	March 2011 2012	COMPLETE	Noted and requested the Secretariat to develop guidance on aircraft equipage requirements for RNP value of 0.3 or greater and rationalize the guidance material.
D 21/34	PBN Task Force continuation	That, the PBN Task Force be continued.	Notify PBN TF	ICAO APAC Office	Paper prepared and the Task Force informed	March 2011	COMPLETE	
C 21/35	Slow Progress of PBN Implementation	That, ICAO highlights the slow progress and impediments in PBN implementation at the upcoming 47 th DGCA Conference for their support to expedite implementation.	Prepare paper for DGCA Conf/47	ICAO APAC Office ICAOHQ	Paper prepared and issues highlighted Revised APAC Regional PBN Implementation Plan	October 2010	COMPLETE	Noted the delay in implementation of PBN and requested the Secretariat to consider what can be done to encourage greater progress..

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/36	Progress of GNSS Implementation & Awareness of GNSS Manual	That, ICAO a) highlight the slow progress of GNSS implementation in the aviation field at forums such as the coming 47 th DGCA Conference in October in Macao, China; and b) raise the awareness of existence of the GNSS Manual among the aviation community.	Prepare paper for DGCA Conf/47	ICAO APAC Office	Paper prepared and issues highlighted	October 2010	COMPLETE	Noted.
D 21/37	Subject/Tasks List of ADS-B Study and Implementation Task Force	That, the Subject/Tasks List for ADS-B Study and Implementation Task Force provided in Appendix N to the Report on Agenda Item 3.4 be adopted.	Notify ADS-B SITF	ICAO APAC Office	Paper prepared and the Task Force informed	April 2011	COMPLETE	
C 21/38	Guidance Material on Processing and Display of ADS-B Tracks on Air Traffic Controller Positions	That, the Processing and Display of ADS-B Tracks on Air Traffic Controller positions provided in Appendix O to the Report on Agenda Item 3.4 be adopted.	Notify States	ICAO APAC Office	State Letter The GM available on the Website	December 2010	COMPLETE AP017/11 2Feb11	

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/39	Template for promulgation of ADS-B Avionics Equipage Requirements	<p>That, based on APANPIRG Conclusion 20/54, States intending to implement ADS-B based surveillance service for a defined airspace and having not published regulations be urged to promulgate mandating rule for ADS-B Avionics Equipage Requirements as soon as possible using the following template:</p> <p><i>On and after dd/mm/yyyy, if an aircraft operates on airways (insert routes).....at or above FLXXX.....(or in defined airspace boundaries at or above FLXXX):</i></p> <p><i>a) the aircraft must carry serviceable ADS-B transmitting equipment that has been certificated as meeting EASA AMC 20-24, or meets the equipment configuration standards in Appendix XI of Civil Aviation Order 20.18 of the Civil Aviation Safety Authority of Australia; and</i></p> <p><i>b) the aircraft operator must have the relevant operational approval from the State of Registry.</i></p>	Notify States	ICAO APAC Office	State Letter	November 2010	COMPLETE AP174/10 24Nov10	Noted
C 21/40	Guidelines for Airworthiness and Operational Approval for ADS-B Avionics Equipage	That, States be advised to use the guidelines provided in Appendix P to the Report on Agenda Item 3.4 for Airworthiness and Operational Approval for ADS-B Out Avionics Equipage.	Notify States	ICAO APAC Office	States informed	January 2011	COMPLETE AP008/11 24Jan11	Noted

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/41	Revised Regional Surveillance Strategy for Asia and Pacific Regions	That, the revised Regional surveillance strategy for Asia and Pacific Regions provided in Appendix Q to the Report be adopted.	Notify States	ICAO APAC Office	State Letter Revised strategy available on the website	January 2011	COMPLETE AP004/11 21Jan11	Noted
C 21/42	Rule on Misleading ADS-B Transmissions	That, States where ADS-B may be used, even voluntarily, promulgate rule for ADS-B Avionics Equipage Requirements consider publishing additional provisions for misleading ADS-B transmission as follows: <i>After <insert earliest date that ADS-B may be used for any relevant operational purpose> if an aircraft carries ADS-B transmitting equipment which does not comply with</i> <i>a) EASA AMC 20-24, or</i> <i>b) the equipment configuration standards in Appendix XI of Civil Aviation Order 20.18 of the Civil Aviation Safety Authority of Australia.</i> <i>the aircraft must not fly unless the equipment is:</i> <i>(a) deactivated; or</i> <i>(b) set to transmit only a value of zero for the NUCp or NIC.</i>	Notify States	ICAO APAC Office	State Letter	November 2010	COMPLETE AP175/10 24Nov10	

APANPIRG/21 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 31 July 2011	ANC Action recommended
		<p><i>Note:</i></p> <p>1. It is considered equivalent to deactivation if NUCp or NIC is set to continually transmit only a value of zero.</p> <p>2. Regulators should take appropriate action to ensure that such regulations are complied with.</p> <p>3. ATC systems should discard ADS-B data when NUC or NIC=0</p>						
C 21/43	Preparation for WRC – 2012	<p>That,</p> <p>a) States be urged to have the designated contact person closely involved in the preparatory work for WRC – 2012 at the national level in close coordination with the contact points designated by respective telecommunication regulators;</p> <p>b) Make necessary arrangements for the designated contact persons to attend the APT APG meetings and WRC – 2012 Conference to protect aviation interests; and</p> <p>c) Reference to APANPIRG Conclusions 19/41, 20/58 and DGCA Conference Action Item 46/8 may be used to support these efforts.</p>	Notify States and necessary arrangement	ICAO APAC Office and States	States Letter Take necessary action to support ICAO Position for WRC2012	July 2010 2012	COMPLETE AP036/11 11Mar11	Noted and appreciated the preparatory work of APANPIRG in order to seek the support of States for ICAO position at WRC-2012.

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/44	Visibility of ICAO Position on WRC – 2012 Agenda Items	That, ICAO be urged to improve visibility to ICAO Position on WRC-2012 Agenda Items of critical interest to civil aviation on the ICAO website.	Prepare Issue Form	ICAO APAC Office ICAO HQ	Visibility of ICAO position for WRC2012 on ICAO Website Increased visibility of ICAO position for WRC-2012 on ICAO website by displaying it on home page.	July 2010	COMPLETE COMPLETE	Agreed and requested the Secretariat to display ICAO position for WRC2012 on the home page of ICAO website.

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/45	Transition to WAFS Internet File Service (WIFS) from ISCS-G2	<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>ON GOING</p> <p>COMPLETE (SL – 27Sep2010)</p> <p>COMPLETE (SL – 27Sep2010)</p>	

APANPIRG/21 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 31 July 2011	ANC Action recommended
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>ONGOING WAFSOPSG/6 C6/8 – provide guidance on requirement to onward-forward WAFS SIGWX forecast correction messages to users and report back to WAFSOPSG/7(Sept 2012).</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>	<p>Determine if link between graphical and textual advisories is necessary</p>	<p>IAVWOPSG/6 (September 2011)</p>	<p>Update relevant standards (Am 76 to Annex 3) and/or guidance material if necessary</p>	<p>2013</p>		

APANPIRG/21 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 31 July 2011	ANC Action recommended
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/1 5 (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>ONGOING (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 (with target date end of 2011)</p>	

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/49	Implementation of OPMET reception	<p>a) IATA be invited to conduct another period of OPMET monitoring for reception of METAR and TAF at SADIS and ISCS and provide the Regional Office with a list of AOP and non-AOP aerodromes by State whose OPMET data are not available at SADIS and/or ISCS as well as a list of AOP aerodromes by State that distribute FC TAF; and</p> <p>b) the Regional Office urge States containing AOP aerodromes whose OPMET is not received at SADIS and/or ISCS to comply to the Regional Air Navigation Plan (RANP); and</p> <p>c) the Regional Office encourage States containing non-AOP aerodromes whose OPMET is not received at SADIS/ISCS to provide OPMET data as already agreed upon; and</p> <p>d) the Regional Office inform States that FC TAF is no longer disseminated internationally in accordance with the RANP; and</p> <p>e) the slower transmission times and missing OPMET data associated with ISCS in relation to SADIS be investigated by RODBs Tokyo and Singapore;</p>	<p>IATA to monitor OPMET availability at SADIS/ISCS</p> <p>Inform States</p> <p>Inform States</p> <p>Inform States</p> <p>Investigate SADIS/ISCS transmission time differences</p>	<p>IATA</p> <p>ICAO APAC</p> <p>ICAO APAC</p> <p>ICAO APAC</p> <p>RODBs Singapore & Tokyo</p>	<p>List of aerodromes by State whose OPMET not received at SADIS/ISCS</p> <p>SL</p> <p>SL</p> <p>SL</p> <p>Reduce OPMET transmission time to ISCS</p>	<p>Feb 2011</p> <p>Apr 2011</p> <p>Apr 2011</p> <p>Apr 2011</p> <p>May 2011</p>	<p>COMPLETE</p> <p>COMPLETE (SL – 29Mar2011)</p> <p>COMPLETE (SL – 29Mar2011)</p> <p>COMPLETE (SL – 29Mar2011)</p> <p>COMPLETE (SL – 29 Mar2011)</p>	

APANPIRG/21 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 31 July 2011	ANC Action recommended
		<p>f) the Regional Office inform States of OPMET observation, filing and transmission times as described in the ROBEX Handbook section 7.5; and</p> <p>g) the Regional Office inform States of OPMET availability and regularity as defined in the Regional Air Navigation Plan and ROBEX Handbook.</p> <p><i>Note: this Conclusion is intended to assist in achieving the OPMET data availability goals (95% AOP aerodromes and 90% non-AOP aerodromes) described in APANPIRG/20 Conclusions 20/63 and 20/64)</i></p>	<p>Inform States</p> <p>Inform States</p>	<p>ICAO APAC</p> <p>ICAO APAC</p>	<p>SL</p> <p>SL</p>	<p>May 2011</p> <p>May 2011</p>	<p>COMPLETE (SL – 29 Mar2011)</p> <p>COMPLETE (SL – 29 Mar2011)</p>	
C 21/50	MET/ATM Seminar	<p>That, ICAO in coordination with WMO conduct a MET/ATM Seminar in early 2011.</p> <p><i>Note: This draft Conclusion reinstates APANPIRG Conclusion 19/53.</i></p>	<p>HQ consider inviting WMO as partner in MET/ATM Seminar</p>	<p>MET/AIM Section</p>	<p>Invitation Letter/ Seminar</p>	<p>Dec 2010</p>	<p>COMPLETE</p>	<p>Noted and confirmed the need for MET/ATM Seminar in early 2011</p>
D 21/51	Performance Framework Forms (PFFs)	<p>That, updated performance Framework Forms (PFFs) of CNS and MET fields as contained in Appendix S to the report on agenda item 3.4 be adopted.</p>	<p>Notify CNS/MET SG</p>	<p>ICAO APAC office</p>	<p>Paper prepared and SG notified</p>	<p>July 2011</p>	<p>COMPLETE WP prepared</p>	

APANPIRG/21 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 31 July 2011	ANC Action recommended
D 21/52	Updated Subject/Tasks List of the CNS/MET Sub- group	That, the updated Subject/Tasks List of the CNS/MET Sub-group provided in Appendix U to the report on agenda item 3.4 be adopted.	Notify CNS/MET SG	ICAO APAC office	Paper prepared and SG notified	July 2011	COMPLETE WP prepared	
C 21/53	Elimination of ATM Air Navigation Deficiencies	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	Noted and requested the Secretariat to accord highest priority in its work programme to the urgent elimination of the safety-related deficiencies. States reflected in the APANPIRG list of deficiencies are urged to establish action plans with fixed target dates. Also, commitment to the elimination of deficiencies should be pursued through all available mechanisms, including the annual Conference of DGCA's

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/54	Aerodrome deficiencies	That, the States concerned be urged to validate and provide corrective action plan for the elimination of aerodrome deficiencies identified in Appendix B1 to the Report on Agenda item 4 of APANPIRG/21;	Notify concerned States	ICAO APAC office	State letter	February 2011	COMPLETE	Noted and requested the Secretariat to accord highest priority in its work programme to the urgent elimination of the safety-related deficiencies. States reflected in the APANPIRG list of deficiencies are urged to establish action plans with fixed target dates. Also, commitment to the elimination of deficiencies should be pursued through all available mechanisms, including the annual Conference of DGCA's

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/55	Removal of the APANPIRG Air Navigation Deficiency AP-MET-13	That, the air navigation deficiency AP-MET-13 be removed from the APANPIRG air navigation deficiencies list.	Remove deficiency from database	ICAO APAC	Updated deficiency database	Dec 2010	COMPLETE	Noted and requested the Secretariat to accord highest priority in its work programme to the urgent elimination of the safety-related deficiencies. States reflected in the APANPIRG list of deficiencies are urged to establish action plans with fixed target dates. Also, commitment to the elimination of deficiencies should be pursued through all available mechanisms, including the annual Conference of DGCA's

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/56	Cost Recovery Guidance Material Update	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	ONGOING	Noted and requested the Secretariat to coordinate with ANSEP and WMO and consider, if necessary, updating guidance material in the <i>Manual on Air Navigation Services Economics</i> (Doc 9161)
D 21/57	APANPIRG Contributory Bodies Structure Review Task Force (ABSRTF)	That, a) APANPIRG Contributory Bodies Structure Review Task Force with members consisting of Sub-group chairpersons, vice-chairpersons and voluntary members nominated by States be established; and b) In coordination with 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 their structures to APANPIRG/22 to meet the changing environment.	Notify States to nominate voluntary members. Establish ABSRTF Review structure and develop proposals for contributory bodies	ICAO APAC Office ABSRTF	State Letter ABSRTF established Paper prepared with proposals.	November 2010 February 2011 June 2011	COMPLETE COMPLETE COMPLETE	
C 21/58	Establishment of RASGs – Consequent revision to TOR of APANPIRG	That meeting adopt the revised terms of reference of APANPIRG as shown in the Appendix A to the Report on Agenda Item 6.	Notify States	ICAO APAC office	State letter	March 2011	COMPLETE	Noted and requests the ANC to consider how the reports and actions resulting from RASG meetings will be handled.

APANPIRG/21 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 31 July 2011	ANC Action recommended
C 21/59	Development of New RANP	That, ICAO be invited to review the regional air navigation plan structure, processes and contents to incorporate them in to e-ANP and expedite its provision for use.	Prepare Issue Form	ICAO APAC Office ICAO HQ	Issue form prepared Revised ANP and development of e ANP	December 2010 Nov 2012	COMPLETE	Noted and requested the Secretariat to continue with the development of e-ANPs

* **Note:** 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