



International Civil Aviation Organization

**NINTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE AND
METEOROLOGY SUB-GROUP OF APANPIRG
(CNS/MET SG/9)**

Bangkok, Thailand, 11–15 July 2005

Agenda Item 2:

Review

1) report of CNS/MET SG/8 and APANPIRG/15 meetings

**ACTIONS ON DECISIONS/CONCLUSIONS OF CNS/MET SG/8 AND
APANPIRG/15 MEETINGS**

(Presented by Secretariat)

SUMMARY

This paper reviews actions taken by the APANPIRG/15 Meeting. ANC/Council, States and the Secretariat on the Decisions and Conclusions formulated by the CNS/MET SG/8 Meeting.

1. INTRODUCTION

1.1 The Fifteenth Meeting of APANPIRG held in Bangkok from 23 to 27 August 2004 took action on the Decisions and Conclusions formulated by the Eighth Meeting of the CNS/MET Sub-Group held in Bangkok from 12 to 16 July 2004. Subsequently, the ANC and the Council completed actions on APANPIRG/15 report on 16 February 2005.

2. DISCUSSION

2.1 Actions taken by the ANC and the Council on the Decisions and Conclusions of APANPIRG/15 Meeting in CNS and MET fields are indicated in a tabular form in Attachment to this paper. Actions taken by States and the Secretariat are also shown in the Attachments.

3. ACTION BY THE MEETING

3.1 The meeting is expected to review the Attachment and take appropriate actions, as requested.

**ACTIONS TAKEN ON DECISIONS/CONCLUSIONS
OF THE CNS/MET SG/8 AND APANPIRG/15**

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D. Concl. 8/1	Concl. 15/11		<p>Conclusion 15/11 - Use of X.25 protocol</p> <p>That, States continue using X.25 as recommended protocol to support implementation of ATN ground infrastructure in the short to medium term (5-10 years) and consider acquisition of sufficient spares for the service life of the equipment. States not implementing X.25 consider the use of emerging replacement technology.</p>	States notified for implementation	Completed
D. Concl. 8/2	Concl. 15/12		<p>Conclusion 15/12 – Development of AMHS Addressing Scheme and PRMD value for Asia/Pacific region</p> <p>That,</p> <p>i) Hong Kong, China be requested to develop a comprehensive draft of the AMHS Addressing Scheme and PRMD value for each State in the Asia/Pacific region with options of both XF and CAAS address and present it to the ATN Transition Task Force Working Group Meeting in September for review and comments; and</p>	Completed Addressing Scheme was presented at the ATN Transition Task Force/7 Meeting.	Completed

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			ii) ICAO be requested to circulate the addressing scheme to States for consideration.		To be reviewed by CNS/MET SG/9 for final action
D. Concl. 8/3	Concl. 15/13		<p>Conclusion 15/13 - AMHS Naming Registration Form</p> <p>That,</p> <p>a) the AMHS Naming Registration Form be reviewed and refined by the ATN Transition Task Force based on the result of trial operation; and</p> <p>b) ICAO be requested to circulate the form to Asia/Pacific States.</p>	Action completed by ATN Transition Task Force/7 Meeting.	<p>Completed</p> <p>CNS/MET SG/9 to take action.</p>
D. Conclu. 8/4	Concl. 15/14	ANC	<p>Conclusion 15/14 -Use of AMHS over TCP/IP in the Asia/Pacific region</p> <p>That, Administrations within the Asia/Pacific region willing to pursue the implementation of the TCP/IP subnet as part of ATN may do so on a bilateral basis on the understanding that they may be required to make changes to their subnet if and when the TCP/IP is developed as a part of the ATN SARPS.</p> <p><i>Noted the conclusion and requested ACP to take relevant regional implementation activities into account in its current work on the subject, the outcome of which is expected by middle 2005.</i></p>	States were made aware of it.	Completed

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	(para. 2.2.47)	ANC	Development of a regional strategy for implementation of air-ground data link in the ASIA/PAC Regions. <i>Noted the paragraph and that the strategy is expected to be developed by July 2005 and called upon the Secretary General to monitor its progress.</i>		The strategy has been developed for presentation at the CNS/MET SG/9
	(para. 2.2.87)	C	Preparation for World Radiocommunication Conference – 2007 (WRC-2007) <i>Noted the paragraph and requested the Secretary General to continue encouraging the States to participate at various levels in different fora to provide support for the ICAO position at the forthcoming WRC-2007 so as to protect aeronautical frequency spectrum.</i>		First RPG Meeting was held in February 2005. Preliminary ICAO Position for WRC-2007 was presented at APG 2007-2 Meeting in February 2005.
D. Concl. 8/5	Concl. 15/15		Conclusion 15/15 – Asia/Pacific regional ATN Implementation System Management Operational That, the Asia/Pacific regional ATN Implementation System Management Operational Procedures be published to assist States in implementation of the ATN ground infrastructure in the Asia/Pacific region.	Considered premature due to lack of experience in operational aspect to develop a manual procedure. This task can be addressed only after gaining sufficient operational experience. Of AMHS.	Under study

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D. Conclu. 8/6	Concl. 15/16		<p>Conclusion 15/16 – Table CNS-1D - AIDC</p> <p>That,</p> <p>a) ICAO be requested to circulate Table CNS-1D provided in Appendix A to the Report on Agenda Item 2.2 to Asia/Pacific States to specify operational requirements for AIDC; and</p> <p>b) provide results to the next meeting of the ATN Transition Task Force for appropriate action.</p>	<p>Circulated</p> <p>Result provided to the Task Force and draft Conclusion developed for its adoption by the CNS/MET SG/9</p>	<p>Completed</p> <p>Completed</p>
D. Concl. 8/7	Concl. 15/17		<p>Conclusion 15/17 – Amendment Table CNS-1C – ATSMHS Implementation Plan</p> <p>That, the sample Table CNS-1C – ATSMHS Implementation Plan provided in ASIA/PAC FASID, Part IV CNS be replaced with the Table CNS-1C shown in Appendix B to the Report on Agenda Item 2.2 through the established procedure.</p>	<p>Amendment proposal circulated to States. States being notified of approval.</p>	<p>Completed</p>
D. Concl. 8/8	Concl. 15/18		<p>Conclusion 15/18 – Amendment to Table CNS-1B – ATN Router Plan</p> <p>That, the existing Table CNS-1B provided in ASIA/PAC FASID, Part IV CNS be replaced with an updated Table contained in Appendix C to the Report on Agenda Item 2.2.</p>	<p>Amendment proposal circulated. States being notified of approval.</p>	<p>Completed</p>

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D. Concl. 8/9	Concl. 15/19		<p>Conclusion 15/19 – Amendment of the Table CNS-1A – AFTN Plan</p> <p>That, the Table CNS-1A – AFTN Plan and Chart CNS-1 reflected in Part IV CNS of the ASIA/PAC FASID be replaced with an updated Plan provided in Appendix D to the Report on Agenda Item 2.2. in accordance with established procedure.</p>	Amendment proposal circulated. States being notified of approval.	Completed
D. Concl. 8/10	Concl. 15/20		<p>Conclusion 15/20 – Procedure for calculation of AFTN circuit loading statistics</p> <p>That, the guidelines for calculation of AFTN circuit loading statistics contained in Attachment A to ASIA/PAC FASID Part IV CNS be amended to add the maximum number of bytes transmitted/received on 9600 bps and 64 Kbps, X.25, AFTN circuits.</p>	Amendment proposal circulated to States. States being notified of approval.	Completed
D. Deci. 8/11	Deci. 15/21		<p>Decision 15/21 – Subject/Tasks List of the ATN Transition Task Force</p> <p>That, the updated Subject/Tasks List of the ATN Transition Task Force provided in Appendix E to the Report on Agenda Item 2.2.be adopted.</p>	Task Force notified of the approval of the Tasks List.	Completed
D. Decision 8/ 13	Decision 15/22		<p>Decision 15/22 – Assignment of new tasks</p> <p>That, the ATN Transition Task Force be tasked to:</p> <p>i) develop ATN/AMHS performance characteristics as soon as possible to meet the target date of implementation of 2005; and</p> <p>ii) establish a sunset date for AFTN service to be reflected in Part IV of the ASIA/PAC FASID.</p>	The Seventh Meeting of the ATN Transition Task Force (ATNTTF/7) recognized that the AMHS description document and the performance document adopted by the Task Force would provide adequate guidance on performance. In its Conclusion 7/18 the Task Force has	under study

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				<p>addressed this issue and has tasked its WG to review and consider development of such document.</p> <p>The ATNTTF/7 considered that it would be premature at this stage to establish the sunset date for AFTN in view of the current lack of maturity and operational experience of AMHS implementation.</p>	under study
D. Concl. 8/14	Concl. 15/23		<p>Conclusion 15/23- Revision of the Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the Asia/Pacific region</p> <p>That, the updated Strategy for Precision Approach and Landing Guidance Systems and the Strategy for the Implementation of GNSS Navigation Capability in the Asia/Pacific region provided in Appendices F and G respectively, to the Report on Agenda Item 2.2 be adopted.</p>	Strategy adopted and posted.	Completed
D. Concl. 8/15	Concl. 15/24		<p>Conclusion 15/24 - Revision of FASID Table CNS-3 by States</p> <p>That, States review and revise FASID Table CNS-3 to reflect comprehensive descriptions of the future provision of radio navigation aids and that the revised entries be provided to the Regional Office by the end of May 2005.</p>	<p>States were requested to review and update the Table CNS-3.</p> <p>Response received from States is consolidated and presented to the meeting for review.</p>	Completed

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D. Concl. 8/16	Concl. 15/25		<p>Conclusion 15/25 - Airlines plan for the deployment of ADS-B</p> <p>That, IATA be requested to conduct a survey of its member airlines' plan for the deployment of ADS-B in the Asia/Pacific region and provide result to the ADS-B Task Force Working Group to be held on 14-15 October 2004.</p>	IATA provided information to the Task Force	Completed
D. Concl. 8/17	Concl. 15/26		<p>Conclusion 15/26 – Exchange of ADS-B surveillance data with neighbours</p> <p>That, States be encouraged to share ADS-B surveillance data with neighbouring States and to develop mechanisms to achieve this as ADS-B ground infrastructure requirements are being identified during the design phase.</p>	States were made aware of the need to exchange ADS-B data and are expected to consider data exchanges upon implementation of ADS-B.	Completed
D. Deci. 8/18	Deci. 15/27		<p>Decision 15/27 – Subject/Tasks List of ADS-B Study and Implementation Task Force</p> <p>That, the Subject/Tasks List of the ADS-B Study and Implementation Task Force provided in Appendix H to the Report on Agenda Item 2.2 be adopted.</p>	The updated Task List was brought to the attention of the Third meeting of the ADS-B Study and implementation Task Force.	Completed.
D. Concl. 8/19	Deci 15/28		<p>Conclusion 15/28 – SADIS Internet-based FTP Service</p> <p>That, in parallel with the satellite broadcast, the SADIS Provider State be invited, as of 1 July 2005, to make WAFS forecasts and OPMET data available, as a primary component of the SADIS service, in accordance with the SADIS User Guide, through the Internet-based FTP service.</p>	Action taken by SADIS Provider State	Completed

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		ANC	<p>Note 1. - The development and management of this service will be overseen by the SADISOPSG and its work programme will be amended accordingly.</p> <p>Note 2. - The SADIS Cost Recovery Administrative Group (SCRAG) will be informed of the planned date of implementation.</p> <p><i>Noted the conclusion and that the planned implementation date of the Internet-based FTP service, as a primary component of SADIS service, is on July 2005.</i></p>		
D. Concl. 8/20	Concl. 15/29		<p>Conclusion 15/29 – SADIS strategic assessment tables</p> <p>That, the Asia/Pacific SADIS strategic assessment tables, as given in Appendix I to the report on this agenda item, be adopted and forwarded to the SADISOPSG for planning the future SADIS bandwidth requirements.</p>	Tables forwarded to SADISOPSG	Completed
D. Concl. 8/21	Concl. 15/30		<p>Conclusion 15/30 - State's migration plans for the transition from 1G to 2G SADIS service</p> <p>That, the SADIS user States in the Asia/Pacific region be encouraged to commence planning for transition from SADIS 1G to 2G to ensure that the transition can be achieved well within the agreed time scale, i.e. before the termination of the 1G service on 31 December 2008.</p>	State letter sent to States	On-going

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			Note: ICAO Regional Office to inform the SADIS user States by a State letter (4th quarter of 2004) and keep record of the progress of the transition to SADIS 2G.		
D. Concl. 8/22	Concl. 15/31		<p>Conclusion 15/31 - Annual survey of the ISCS/2 operational efficacy and nomination of ISCS Focal Points</p> <p>That,</p> <p>a) the ISCS provider State be invited to conduct, in coordination with the ICAO Regional Office, annual surveys of the operational efficacy of the ISCS/2 in the Asia/Pacific region, starting with a survey for 2004-2005; and</p> <p>b) the ISCS user States in the Asia/Pacific region be invited to nominate operational personnel to act as an ISCS focal point to facilitate coordination of ISCS implementation matters.</p> <p>Notes:</p> <p>(1) The survey will be carried out through a survey questionnaire circulated to the ISCS user States by the ICAO Regional Office; the survey results will be analyzed by the ISCS provider State and reported to the CNS/MET Sub-group of APANPIRG.</p> <p>(2) The format of the annual survey questionnaire and summary report will be similar to those for SADIS operational efficacy in order to allow inter comparison.</p>	<p>Survey documentation has been prepared and coordinated with the ISCS Provider State</p> <p>First survey carried out in May/June 2005</p>	Completed

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D. Concl. 8/23	Concl. 15/32		<p>Conclusion 15/32 – Limited extension of the availability of WAFS forecasts in chart form beyond 1 July 2005</p> <p>That, the WAFSOPSG be requested to consider, as a matter of urgency, the continuation of the issuance of WAFS SIGWX forecasts in a chart form, for a limited period of time after 1 July 2005 to ensure that the WAFS users be prepared to operationally use BUFR-coded WAFS products in SIGWX chart production.</p>	Action taken by WAFSOPSG/2 meeting with Conclusion 2/12; availability of SIGWX charts extended to 1 December 2006.	Closed
D. Concl. 8/24	Concl. 15/33		<p>Conclusion 15/33 – States' actions for the migration to the operational use of GRIB and BUFR coded WAFS products</p> <p>That, the Asia/Pacific States</p> <p>(a) be urged to complete, as a matter of urgency, the necessary preparations for the migration to the operational use of GRIB and BUFR coded WAFS products, if they have not already done so, prior to the target date for final migration to GRIB and BUFR-coded WAFS products, 1 July 2005;</p> <p>(b) be urged to review the GRIB and BUFR visualization software evaluation results available on the WAFSOPSG and SADIS websites and ensure that software packages capable of producing WAFS forecast charts fully compliant with Annex 3 are acquired; and</p> <p>(c) arrange for appropriate personnel to attend the training on the operational production of WAFS charts from GRIB and BUFR coded WAFS products provided conjointly for the SADIS and ISCS user States to be held in the Asia/Pacific region in January 2005.</p>	<p>States have been advised.</p> <p>Second training seminar held in January 2005.</p>	Completed

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D. Concl. 8/25	Concl. 15/34		<p>Conclusion 15/34 – Automatic depiction of SIGWX forecast in chart form from BUFR-coded WAFS products</p> <p>That, the WAFSOPSG and SADISOPSG be invited to consider, as a matter of urgency, the requirement for eliminating the need for human intervention with regard to the depiction of SIGWX forecast in chart form from BUFR-coded WAFS products.</p>	Action taken by WAFSOPSG/2 meeting with Conclusion 2/9	Closed
D. Deci. 8/27	Deci. 15/35		<p>Decision 15/35 – Terms of reference and work programme of OPMET/M TF</p> <p>That, the terms of reference, work programme and composition of the OPMET management Task Force be amended as shown in Appendix J to this agenda item of the Report.</p>	ToRs and work programme of OPMET/M TF have been updated	Completed
D. Concl. 8/28	Deci. 15/36		<p>Conclusion 15/36 – 12th edition of the ROBEX Handbook and 3rd edition of the ASIA/PAC ICD</p> <p>That, ICAO Regional Office publishes the new 12th edition of the ROBEX Handbook and the new 3rd edition of the ASIA/PAC Interface Control Document for Access to the Regional OPMET Data Banks (RODB), in accordance with the established procedures.</p>	ROBEX Handbook, 12 th edition and ASIA/PAC ICD, 3 rd edition published and disseminated in hard copy in November 2004; both documents available on ICAO APAC web site	Completed
D. Concl. 8/29	Concl. 15/37		<p>Conclusion 15/37 – Fostering the standardization of OPMET information in the Asia/Pacific region</p> <p>That, the States in the Asia/Pacific region be urged to fully implement the provisions related to the format of the METAR, SPECI and TAF messages and</p>	State letter circulated	Completed

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			bulletins specified in the Annex 3 and in WMO Manual on Codes (WMO No. 306).		
D. Concl. 8/30	Concl. 15/38	C	<p>Conclusion 15/38 – New data type designators for bulletins containing special air-reports</p> <p>That, in order to facilitate the exchange of the special air-reports, WMO be invited to designate a new data type designators (T1T2) for the WMO abbreviated headings of the bulletins containing special air-reports and, in particular, for special air-reports for volcanic ash.</p> <p><i>Noted the conclusion and called upon the Secretary General, to invite WMO to assign, at their earliest convenience, a new data-type designator to bulletins containing special air-reports in order to ensure their proper exchange.</i></p>	Matter forwarded to WMO as the organization responsible for the aeronautical meteorological codes	Closed
D. Concl. 8/31	Concl. 15/39	C	<p>Conclusion 15/39 – Feasibility of extending the validity of TAF to 30 hours</p> <p>That, ICAO be invited to study, in coordination with the WMO, the feasibility of the introduction of a TAF with a period of validity of 30 hours in view of the new requirements for very long haul flights.</p> <p><i>Noted the conclusion and called upon the Secretary General, to study, in coordination with the WMO, the feasibility of developing provisions for Annex 3 for the introduction of a TAF with a 30-hour period of validity in view of new requirements for very long haul flights.</i></p>	Report on the trials between USA and Singapore to be presented at CNS/MET SG/9 meeting	Closed

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D. Deci. 8/32	Deci. 15/40		<p>Decision 15/40 – Planning for migration to BUFR-coded aeronautical meteorological messages</p> <p>That,</p> <p>a) the ATN Transition Task Force and the OPMET Management Task Force be tasked to address the issues related to the transition to BUFR-coded aeronautical meteorological messages by conducting studies, as necessary;</p> <p>b) the two Task Forces develop in coordination a regional plan for migration to BUFR-coded aeronautical meteorological information by the end of 2005.</p>	The matter has been addressed by the OPMET/M TF/3 meeting, March 2005 and the ATN Transition TF meeting in April 2005; joint meeting of the two groups planned for 2006.	On-going
D. Concl. 8/33	Concl. 15/41		<p>Conclusion 15/41– Designation of State volcano observatories</p> <p>That, the Asia/Pacific States that maintain monitoring of active volcanoes, be invited to designate, based on the principles formulated by the IAVWOPSG/1 meeting, selected volcano observatories for inclusion in the new FASID Table MET 3C of the ASIA/PAC FASID (Doc 9673).</p>	State letter circulated. The new FASID table is to be finalized.	On-going

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D. Concl. 8/34	Concl. 15/42		<p>Conclusion 15/42 – Conducting SIGMET tests in the Asia/Pacific region</p> <p>That, ICAO Regional office invite all TCAC and VAAC Provider States in the Asia/Pacific region, and all Asia/Pacific States with MWOs responsible for issuance of SIGMET for volcanic ash and/or tropical cyclones, to take part in the SIGMET tests to be carried out according to procedures developed by the VA/TC Implementation Task Force.</p>	Two separate SIGMET tests have been conducted. The results to be reported at CNS/MET SG/9 meeting.	Completed
D. Concl. 8/35	Concl. 15/43		<p>Conclusion 15/43 – Improvement of issuance of SIGMET for tropical cyclones</p> <p>That, the Asia/Pacific States be urged:</p> <p>a) in preparing SIGMET for tropical cyclone to pay due attention to the TC advisories issued by the responsible TCACs; and</p> <p>b) to provide feedback on the availability and the quality of the TC advisories provided by the responsible TCACs in order to assist in eliminating any deficiencies.</p>	Action to be taken by September 2005.	On-going
D. Deci. 8/36	Deci. 15/44		<p>Decision 15/44 - Updated Subject/Tasks List of the CNS/MET Sub-group</p> <p>That, the updated Subject/Tasks List of the CNS/MET Sub-group presented in Appendix K to the Report on Agenda Item 2.2.be adopted.</p>	Subject/Tasks List updated.	Completed