



*International Civil Aviation Organization*

**Seventh Meeting of CNS/MET Sub-Group of APANPIRG and  
Tenth Meeting of CNS/ATM IC Sub- Group of APANPIRG**

Bangkok, Thailand, 15 – 21 July 2003

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**Agenda Item 22: Future Work Programme**

- 1) **Review Task List of the CNS/MET/SG**
- 2) **Review the work programme of the CNS/ATM IC SG**

**OUTSTANDING CONCLUSIONS**

(Presented by the Secretariat)

**SUMMARY**

This paper presents a list of outstanding Conclusions in the CNS/MET-ATM fields covering Conclusions formulated by APANPIRG/13 for review.

**1. INTRODUCTION**

1.1 A list outstanding Conclusions in the CNS/MET-ATM fields including those outstanding Conclusions formulated by APANPIRG/13 is provided in the Attachment for review. The list has been further updated indicating the progress of actions taken so far by States and the Secretariat.

**2. DISCUSSION**

2.1 The Thirteenth Meeting of APANPIRG held in Bangkok from 9-13 September 2002 UNDER ITS Agenda Item 5 reviewed and updated the list of Outstanding Conclusions covering Conclusions formulated by APANPIRG/13.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to review the Attachment and take appropriate action, as required.

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## OUTSTANDING CONCLUSIONS/DECISIONS IN THE CNS/MET FIELDS

Report Reference Concl./Dec. No.	Action by ANC/Council	Decision/Conclusion/ Action Taken	Action by States/ICAO	Status
C 5/19	C	<p><b>Need for technical assistance to support WAFS implementation in the ASIA/PAC Regions</b></p> <p>That, ICAO initiate action to provide technical assistance in terms of equipment and training of personnel under the Technical Co-operation Programme to those States that are in need of assistance to receive WAFS products by satellite broadcast.</p> <p>Noted the conclusion and requested the Secretary General to take action as appropriate.</p>	<p>The use of SADIS and ISCS/2 by ASIA/PAC States has continued to grow and further expansion is expected. Implementation of the SADIS and ISCS/2 is being monitored to define the extent of the assistance required.</p> <p><u>– UK provided GRIB/BUFR training for SADIS User States in ASIA/PAC region in November 2002.</u></p>	On-going
C 9/18		<p><b>Operational efficacy of OPMET messages</b></p> <p>That,</p> <p>a) ICAO carry out a survey on the operational efficacy of the ISCS/2; and</p> <p>b) Results of the survey be made available to the ISCS/2 provider State and reported to the COM/MET/NAV/SUR SG/3 Meeting.</p>	<p>– Proposal to carry out a survey on the operational efficacy of the ISCS/2 was forwarded to the ISCS Provider State for review and consideration.</p> <p>– The United States was invited to review the proposed survey form and to provide comments.</p>	<p>To be completed</p> <p>2004-2005</p>
C 10/19	C	<p><b>Future development of the WAFS</b></p> <p>That, ICAO give consideration to the future development of the WAFS with a view of meeting the States' requirements for WAFS and non-WAFS products after transition to the final phase of WAFS and RAFCs cease to operate.</p> <p>Noted the conclusion and requested the Secretary General to arrange for a study on how to meet any non-WAFS requirements indicated by States, in response to the survey requested in Conclusion 10/20.</p>	<p>Proposal is being studied by the Secretariat with assistance of the WAFSSG.</p> <p>The subject is included in the Agenda of the MET Divisional Meeting, September, 2002.</p> <p><u>– MET Divisional Meeting, 2002 adopted recommendations related to the future development of WAFS.</u></p> <p><u>– WAFSOPSG was established in place of the WAFSSG to cater for the operation and development of WAFS.</u></p>	<p><del>On-going</del></p> <p><u>Completed</u></p>
C 10/21		<p><b>Internet access to the WAFS products and OPMET data</b></p>	<p>The Uniform policy for the use of the Internet by States for operational purposes is being developed by the</p>	<p><del>On-going</del></p> <p><u>Completed</u></p>

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	ANC	<p>That, ICAO consider developing the policy for use of the Internet by States to obtain the WAFS products and OPMET data for operational purposes.</p> <p>Noted the conclusion and its relationship to APIRG/12 conclusion 12/27 and requested the Secretary General to consider developing a uniform policy for the use of the Internet by States to obtain WAFS products and OPMET data for operational purposes, as well as for the dissemination for AIS products.</p>	<p>Secretariat as requested by the ANC. It is included in the agenda of the MET Divisional Meeting to be held in September 2002.</p> <p>The United Kingdom implemented the SADIS internet-based service as a back-up to the SADIS broadcast to be provided only to States and users authorized to receive SADIS and ISCS broadcasts.</p> <p>SADIS FTP back-up service has been operational since May 2002.</p>	
C 10/23		<p><b>Revision of the ROBEX Scheme</b></p> <p>That, in order to facilitate distribution of the ASIA/PAC OPMET information to the WAFS London and Washington for uplink to the satellite broadcasts, the ROBEX Scheme be revised as shown in Appendix J to this Report on Agenda Item 2.2.</p>	<p>The revised ROBEX Scheme is being implemented. The collection areas of some ROBEX Centres have been extended.</p> <p>Task to be carried out by OPMET/E TF.</p> <p><a href="#">OPMET/E TF developed an action list in regard to the further optimization of ROBEX Scheme.</a></p>	<p><a href="#">On-going</a></p> <p>2003</p>
C 11/26	ANC	<p><b>Authorized access to the global WAFS graphical products via the Internet</b></p> <p>That, ISCS and SADIS provider States consider the possibility of providing global availability of WAFS products via the Internet, to the authorized ISCS and SADIS users.</p> <p>Noted the conclusion and that the Secretary General was developing a policy for the operational use of the Internet by States to access WAFS products as well as OPMET data, and for the dissemination of AIS Information.</p>	<p>The subject matter was discussed by the SADISOPSG/6 and 7. The United Kingdom implemented the SADIS internet-based service as a back-up to the SADIS broadcast to be provided only to States and users authorized to receive SADIS and ISCS broadcasts.</p> <p>SADIS FTP back-up service has been operational since May 2002.</p> <p>A policy for the operational use of the Internet by States is being developed by ICAO. It is included in the agenda of the MET Divisional meeting to be held in September 2002.</p> <p><a href="#">All SADIS and ISCS users are provided with access to WAFS products through the internet back-up of the SADIS broadcast.</a></p>	<p><del>On-going</del> <a href="#">Completed</a></p>

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C 11/32		<b>WAFS Tables MET 5 and 6 of the ASIA/PAC ANP (FASID)</b>  That, Tables MET 5 and 6 of the ASIA/PAC ANP (FASID) be amended as shown in Appendices H and I to the report.	The ASIA/PAC Basic ANP and FASID have been approved by the Council.  Amendment proposal for FASID circulated to States.  <u>Amendment proposal approved.</u>	<del>On-going</del> <u>Completed</u>										
C 11/33	C	<b>SIGMET Special Implementation Project</b>  That, ICAO urgently consider a proposal for the ASIA/PAC Special Implementation Project be established with the primary objective to improve implementation of SIGMET procedures.  Noted the conclusion and that such project would be put forward for Council approval through established procedures.	The SIP Project Proposal will be put forward for Council approval in 2001.  The SIP Proposal is being revised in order to reduce the cost and will be put forward for Council approval in 2002.  <u>The revised SIP was approved by the Council for implementation in 2003. Mission to Japan and Philippines completed by May 2003.</u>	<u>On-going</u>  2003										
C 12/12	APANPIRG	<b>Need to monitor AFTN circuit performance</b>  That, States concerned closely monitor performance of the following AFTN circuits and coordinate upgrading the circuits capacity, in accordance with the AFTN plan.  <table><tr><td>1. Manila/Singapore</td><td>6. Hong Kong/Manila</td></tr><tr><td>2. *Nadi/Apia Faleolo</td><td>7. Kuala Lumpur/Chennai</td></tr><tr><td>3. Mumbai/Colombo</td><td>8. Colombo/Singapore</td></tr><tr><td>4. Christchurch/Papeete</td><td>9. Tokyo/Singapore</td></tr><tr><td>5. Mumbai/Nairobi</td><td>10. Colombo/Male</td></tr></table>  *the Apia Faleolo/Nadi AFTN circuit will be rerouted by Apia Faleolo/USA upon approval of the amendment proposal to ASIA/PAC ANP.	1. Manila/Singapore	6. Hong Kong/Manila	2. *Nadi/Apia Faleolo	7. Kuala Lumpur/Chennai	3. Mumbai/Colombo	8. Colombo/Singapore	4. Christchurch/Papeete	9. Tokyo/Singapore	5. Mumbai/Nairobi	10. Colombo/Male	<b>States concerned were requested to monitor loading condition and upgrade circuit capacity as specified in Table CNS-1A AFTN Plan. Consequently,</b>  - Manila/Singapore – upgraded to 300 baud; - Nadi/Apia - reconfigured to Apia/USA and implemented; - Mumbai/Colombo – upgraded 64 Kbps in March 03; - Hong Kong/Manila – upgraded to 300 baud; - Kuala Lumpur/Chennai – upgraded 9600bps in April 03; - Colombo/Singapore – upgraded to 9600bps in May 03; - Tokyo/Singapore – upgraded to 9600 bps in January 03	Most circuits had been upgraded.  The Conclusion was updated by a new Conclusion Conclusion 13/11.  <del>On-going</del> <b>Completed</b>
1. Manila/Singapore	6. Hong Kong/Manila													
2. *Nadi/Apia Faleolo	7. Kuala Lumpur/Chennai													
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C 12/19	C	<p><b>Protection of Aeronautical Frequency Spectrum</b></p> <p>That States:</p> <ul style="list-style-type: none"> <li>a) assign high priority to the aeronautical spectrum management;</li> <li>b) participate in the development of States' position for WRCs at the national level to ensure support to ICAO position;</li> <li>c) ensure, to the extent possible that, aviation representatives are included in States delegation to the Asia-Pacific Telecommunity (APT) Conference Preparatory Group meetings and at WRCs; and</li> <li>d) ensure participation of designated focal point or contact person at the Regional Preparatory Group Meeting for WRC-2003 to be held from 15 to 16 November 2001 followed by the AMCP WG-F Meeting to be held from 19-27 November 2001 in Bangkok and attendance at APTAPG Meetings and WRC 2003.</li> </ul> <p><i>Noted the Conclusion and requested the Secretary General to continue to encourage States to participate at various levels in different fora to provide support for the ICAO Position at forthcoming WRC-2003</i></p>	<p>ICAO Position was presented to the APT Preparatory Group Meetings for WRC-2003. The conclusion was brought to the attention of States to take appropriate action. List of CAA and APT contact points were provided to States.</p> <p>APT Meeting schedules were also provided to States with a request to participate at APT Meetings.</p> <p>APT positions developed for WRC2003 on aviation related agenda items are in compliance with ICAO positions.</p>	<p>Completed</p> <p>Completed</p> <p>On-going</p> <p>On-going</p> <p><del>On-going</del> <a href="#">Completed</a></p>
C 12/20		<p><b>Requirement for a new WAFS area of coverage "M"</b></p> <p>That,</p> <ul style="list-style-type: none"> <li>a) The ASIA/PAC ANP be amended to include under the WAFS a new area of coverage "M" (FASID Chart MET 7) as shown in Appendix G to the Report on Agenda Item 2.2; and</li> </ul>	<p>Proposal for Amendment of FASID circulated to States.</p> <p><a href="#">FASID Amendment proposal approved.</a></p>	<p><a href="#">Completed</a></p> <p><del>On-going</del></p>

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		<p>b) FASID Tables MET 5 and MET 6, as developed by APANPIRG/11, be amended to include requirement for SWH prepared by the WAFC Washington for the new WAFC area of coverage "M" as given in Appendices H and I to the Report on Agenda Item 2.2.</p> <p>Note: FASID Chart M should be a mercator projection, with coordinates 100°E and 70°N; 110°W and 70°N; 110°W and 10°S; 100°E and 10°S.</p>		
C 12/22	C	<p><b>GRIB Training Workshop</b></p> <p>That, the SADIS Provider State be invited to arrange for a GRIB training workshop, in co-ordination with ICAO, WMO and other States as necessary, in the ASIA/PAC Regions in 2002.</p> <p><i>Noted the conclusion and requested the Secretary General to invite SADIS Provider state to hold this workshop in coordination and WMO.</i></p>	<p>The workshop is planned to hold in November 2002.</p> <p><a href="#">Combined GRIB/BUFR training was provided by UK Met Office in November 2002.</a></p>	<p><del>On-going</del> <a href="#">Completed</a></p>
C 12/25		<p><b>Application of EUR OPMET update procedure in the ASIA/PAC Regions</b></p> <p>That, the procedure similar to the EUR OPMET update procedure be developed and introduced in the ASIA/PAC Regions.</p>	<p>The procedure is to be developed by the OPMET Exchange Task Force.</p>	<p>On-going</p>

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C 12/26		<p><b>Tropical cyclone advisories with the data designator “FK”</b></p> <p>That, the TCACs Honolulu, Miami, New Delhi, Darwin, Nadi and Tokyo, designated to provide the service in the ASIA/PAC Regions, issue the advisories using the data designator “FK” and ensure the routing of these bulletins to aviation users and London Centre for uplink to the SADIS broadcast.</p> <p><b>Note: Requirement for Honolulu TCAC in the ASIA/PAC Regions is covered by Conclusion 12/33 formulated by the meeting.</b></p>	<p>Implemented by Japan and USA. Other TCACs have been notified through WMO Tropical Cyclone regional bodies.</p> <p><u>The TC advisories with data designator “FK” and standard format awarded to Annex 3 have been implemented by all TCACs in ASIA/PAC except New Delhi.</u></p>	On-going
C 12/28		<p><b>Proposal for amendment of ICAO SUPPS, Doc 7030/4</b></p> <p>That, Regional Supplementary Procedures, ICAO Doc 7030/4, MID/ASIA and PAC, Part 3 – Meteorology – Aircraft Observations and Reports, be amended as shown in Appendix M to the Report on Agenda Item 2.2.</p>	<p>Proposal for Amendment of the regional SUPPs circulated to states.</p> <p><u>Amendment of the regional SUPPs approved.</u></p>	On-going Completed
C 12/29		<p><b>Gia Lam Meteorological Watch Office (MWO)</b></p> <p>That,</p> <ol style="list-style-type: none"> <li>FASID Table MET 1B of the ASIA/PAC ANP be amended to delete requirement for Hanoi and Ho Chi Minh MWOs and to add requirements for Gia Lam MWO; and</li> <li>Consequential amendments be made to FASID Table MET 2A, renamed as FASID Table MET 2B, FASID Table MET 3, Part I and Part II, renamed as FASID Tables 3A and 3B, accordingly.</li> </ol>	<p>Proposal for Amendment of FASID circulated to States.</p> <p><u>FASID Amendment proposal approved.</u></p>	On-going Completed

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C 12/30	C	<p><b>Operation of the VAACs</b></p> <p>That, ICAO consider the proposal to amend Annex 3, and the Handbook on the IAVW – Operational Procedures and Contact List, Doc 9766 accordingly, that each VAAC should operate on a 24 hour basis.</p> <p><i>Noted the conclusion and requested the secretary General to develop proposals for amendment of Annex 3 and Doc 9766 to ensure operation of VAACs on a 24-hour basis.</i></p>	The requirement to be included in the Amendment proposal 73 to Annex 3.	On-going
C 12/31		<p><b>Volcanic ash advisory center</b></p> <p>That, FASID Table MET 3, Part II of the ASIA/PAC ANP, renamed as FASID Table MET 3B, be amended as shown in Appendix N to the Report on Agenda Item 2.2.</p>	Proposal for Amendment of FASID circulated to States.	<del>On-going</del> <u>Completed</u>
C 12/32	ANC	<p><b>Volcanic Ash Advisory and SIGMET in graphical format</b></p> <p>That, ICAO give consideration to further improvement of the format in which the graphical advisory should be issued by VAACs and development of proposals for the format of a graphical SIGMET for volcanic ash, including the necessary guidance regarding procedures for dissemination of information.</p> <p><i>Noted the conclusion and requested the Secretary General to consider further improving the format of graphical advisories to be issued by VAACs and develop proposals for the graphical format of SIGMET messages for volcanic ash, including the necessary guidance regarding procedures for dissemination of information.</i></p>	The recommendation for BUFR-coded graphical volcanic ash advisories to be included in the Amendment proposal 73 to Annex 3.	On-going



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C 12/33	C	<p><b>Honolulu tropical cyclone advisory centre</b></p> <p>That, FASID Table MET 3, Part I of the ASIA/PAC ANP, renamed as FASID Table MET 3A, be amended, as shown in Appendix O to the Report on Agenda Item 2.2, to reflect designation of the TCAC Honolulu with the area of responsibility covering portion of the Central Pacific from 140°W to 180°W.</p> <p><i>Noted the conclusion and its relationship to the designation of Honolulu as the tropical cyclone advisory centre for the Central Pacific area.</i></p>	Proposal for Amendment of FASID circulated to States. <a href="#">Approved.</a>	<del>On-going</del> <a href="#">Completed</a>
C 12/34		<p><b>New FASID Charts MET 2 and MET 3</b></p> <p>That, the ASIA/PAC ANP be amended to include the new FASID Chart MET 2 and FASID Chart MET 3, as given in Appendices P and Q to the Report on Agenda Item 2.2, showing the areas of responsibility of TCACs and VAACs respectively.</p>	Proposal for Amendment of FASID circulated to States. <a href="#">Approved.</a>	<del>On-going</del> <a href="#">Completed</a>
C 12/35		<p><b>ASIA/PAC Basic ANP and FASID, Part VI – Meteorology</b></p> <p>That, the regional procedures given in the introductory text to Part VI – Meteorology of the ASIA/PAC Basic ANP and FASID be amended as shown in Appendices R and S to the Report on Agenda Item 2.2.</p>	Proposals for Amendment of Basic ANP and FASID circulated to States. <a href="#">Approved.</a>	<del>On-going</del> <a href="#">Completed</a>
C 12/36		<p><b>Chapter 8 – Meteorology of the ASIA/PAC CNS/ATM Plan</b></p> <p>That, the ASIA/PAC Regional Plan for the new CNS/ATM Systems be amended to include Chapter 8 – Meteorology as given in Appendix T to the Report on Agenda Item 2.2.</p>	To be incorporated in the next version of the Plan. <a href="#">The latest version of the Plan incorporates the MET part as Chapter 11; the Plan is posted on ICAO Bangkok website.</a>	<del>On-going</del> <a href="#">Completed</a>