



*International Civil Aviation Organization*

**EIGHTH MEETING OF THE ASIA/PACIFIC OPMET MANAGEMENT  
TASK FORCE (OPMET/M TF/8)**

Bangkok, Thailand, 23 – 25 March 2010

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**Agenda Item 1b: Review of the TORs and follow-up action on the TF/7 meeting**

**REVIEW OPMET/M TF/7 ACTION ITEMS**

(Prepared by the Secretariat)

**SUMMARY**

This paper provides a status of action items developed at the OPMET/M TF/7 meeting.

**1. INTRODUCTION**

1.1 Action items were produced at the Seventh OPMET Management Task Force (OPMET/M TF/7) meeting held in Bangkok, Thailand from 2 to 4 June 2010. The full report may be accessed at [http://www.icao.or.th/meetings/2009/opmet\\_tf7/opmet\\_tf7rpt.pdf](http://www.icao.or.th/meetings/2009/opmet_tf7/opmet_tf7rpt.pdf). The action items produced were mainly used to focus on key tasks in preparation for the CNS/MET SG/13 meeting held in Bangkok, Thailand from 20-24 June 2009.

**2. ACTION ITEMS LIST REVIEW**

2.1 The OPMET/M TF/7 action items list is attached for reference. An updated status on action items still open can be updated in the OPMET action items list (second attachment) which will be updated at various meetings (in particular, RODB and OPMET/M TF meetings) as agreed upon at the RODB/4 meeting. The new list will reduce the redundancy between RODB and OPMET/M TF meetings. The updated list will be posted on the following website: [http://www.icao.or.th/edocs/apanpirg/apanpirg\\_sg/met/opmet\\_tfmem.pdf](http://www.icao.or.th/edocs/apanpirg/apanpirg_sg/met/opmet_tfmem.pdf) under the OPMET/M TF of the APANPIRG & Subgroups chart and will be presented at the CNS/MET SG/14 meeting.

2.2 Ten long term action items are listed in the OPMET/M TF/7 action items list for which 4 (2/08, 6/08, 2/09 and 3/09) were transferred to the new OPMET exchange list. Three others (3/08, 5/08, 7/08) will likely be closed at this meeting and the remaining 3 (1/08, 4/08, 1/09) could easily be considered as part of the regular work programme (generally, recursive task that is open indefinitely) and could be closed with a note that it is part of the on-going work programme.

2.3 Seventeen short term action items are listed in the OPMET/M TF/7 action items list for which 13 can be considered closed by the meeting and the remaining four (with comments in red font) were already transferred to the new OPMET exchange action items list.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to update the OPMET action items list taking into consideration outstanding issues in the OPMET/M TF/7 meeting action items list.

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**Follow-up of OPMET/M TF/7 Action Agreed**  
**(30 December 2009)**

No	Action	Assigned	Progress/Follow-up Action	Target/ Completion Dates
<b>Long term</b>				
1/08	Shortfall of OPMET data reported by IATA	All ROBEX Centres	TF to determine the follow-up action needed	On-going
2/08	Implement new South PAC bulletins; Fiji to present an action plan with target date. Fiji and PNG to sign MOU of technical cooperation project.	Fiji Secretariat	Fiji to report the progress	On-going
3/08	Low percentage/inconsistency of provision of OPMET information from WABB.	Indonesia	Further follow-up actions to be taken by Secretariat (see <b>RODB act it list</b> )	On-going
4/08	Coordinate with ICAO MID Regions in regard to the operation of databanks.	RODBs	( <b>what specifics are needed</b> )	On-going
5/08	Standardization of Databank reply messages - with "XX" geographical designator	RODB Singapore	Singapore RODB will drop this non-compliance format after upgrading the Message Switch in Nov 2009. ( <b>possible indication by RODB/4 meeting</b> )	To be reported in TF/8 meeting
6/08	Advise States that had wrongly formatted WMO header and incorrect MWO and FIR location indicators in SIGMET Messages	Secretariat RODBs	To be monitored by RODBs regularly	On-going
7/08	Coordinate with EUR region harmonization of WV test procedures	Secretariat	( <b>included VAAC Toulouse in WV SIGMET test 17 Nov 2009, which serves 11 MWOs in the western ASIA/PAC Region</b> ) (Japan developing expanded test to include airlines/operators)	

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			(what other actions are necessary)	
1/09	Monitor the progress of pilot project -implementation of XML for OPMET exchange	Secretariat	Preliminary review (information paper for RODB/4 meeting)	On-going (2013-2019)
2/09	Resolve non transmission of OPMET data to SADIS from Bangkok RODB identified when operating in backup mode for the Singapore RODB	Bangkok RODB	Investigate possible correlation of OPMET data filing on the half hour (status)	2009
3/09	Develop ROBEX Handbook amendment recommendations using mean real time reception at the Singapore RODB and subsequently update the ROBEX Handbook	Singapore RODB Secretariat	(possibly include in ROBEX HB update – June 2010?)	1 Nov 2009
<b>Short term (numbers not assigned)</b>				
<b>OPMET Monitoring</b>				
	Monitor issuance of SIGMET from Pyongyang (ZKPY) FIR	RODBs	<b>No SIGMET received from Pyongyang (ZKPY) 50 days monitored in convective season ( 9-30 June, 18-31 July, 1-14 August 2009)</b>  <b>(Participated in WS SIGMET test 24 Nov 2009)</b>  <b>(Continue monitoring for validation before proposing removal of AP-MET-16)</b>	30 June 2009
	Monitor progress of the issuance of SIGMET by Myanmar	RODBs	<b>SIGMET is issued by Myanmar; however, the format of the validity period is incorrect. Forwarded the information to Myanmar June 2009.</b>  <b>(Continue monitoring</b>	30 June 2009

			<p><b>{RODBs and airlines} for validation)</b>  <b>(Desire official notification of progress by State – annual deficiency SL being sent in Jan 2010)</b>  <b>(If these conditions met, possible removal of deficiency AP-MET-13)</b></p> <hr/> <p><i>In addition, a WMO header should not be associated with an AD WARN – what is used for aerodrome warning? WU for severe tstorm, WO for other, WW for warnings and weather summary – on list of issues to discuss (updated 30 June 2009)</i></p>	
	<p>Continue monitoring TAF issued by Indonesia, Papua New Guinea, India, Pakistan, Mongolia, and Sri Lanka where noncompliance with Amendment 74 to Annex 3 have recently been identified for the issuance of TAF</p>	<p>RODBs</p> <p>Secretariat</p>	<p><b><u>Indonesia</u></b>  <b>Continue to receive 9- and 12-hour bulletins and unexpected data field at the beginning of the text (MF.nnnn where nnnn is a four digit number) and no TAF received from WABB (Biak) since 13 May to reporting time of 30 June 2009.</b>  <b>Provided information to the ICAO POC Indonesia in July, September and December 2009 based on Singapore RODB and IATA monitoring (what is latest status of 2 TAF issuance in Indonesia and</b></p>	<p>30 June 2009</p> <p>If noncompliance still identified, continue monitoring each month</p> <p>Based on monitoring, the Secretariat issues State letters with action requested by State to provide a compliance date</p>

		<p><b>TAF availability for WABB)</b></p> <p><u>PNG</u> √ - compliant (updated 30 June 2009)</p> <p><u>India</u> RODB Singapore continues to receive 9-hour TAF bulletins, FCIN31 VABB and BCIN32 VABB as of 30 June 2009 and consequently a SL sent on 3 July 2009. IATA continues to receive 9-hour TAF in addition to the long TAF as of 25 Nov 2009 and consequently a SL sent on 14 Dec 2009. <b>(what is latest status of 2 TAF issuance in India)</b></p> <p><u>Pakistan</u> √ - compliant (updated 30 June 2009)</p> <p><u>Mongolia</u> RODB Singapore received both 30- and 9-hour TAF when monitoring in Feb and June 2009. SLs sent 13 March and 3 July 2009 <b>(what is latest status of 2 TAF issuance in Mongolia)</b></p> <p><u>Sri Lanka</u> Format errors found in FTSB31 VCBI bulletin -blank line inserted before the</p>	
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			<p><b>WMO header</b>  <b>-a letter of “Z” is inserted in the date/time group of the WMO AHL</b>  <b>Email sent to Sri Lanka</b>  <b>(what is latest status of format errors identified in Sri Lanka)</b></p>	
	Determine the percentage of reception time anomalies (time of observation to reception of SADIS greater than 15 minutes or less than 0 minutes) of OPMET data received by the SADIS	<p>IATA/RO</p> <p>RODB</p>	<p><b>WP35 – CNS/MET SG/13 meeting produced APANPIRG Conclusion 20/62 for which guidance material on OPMET issuance was clarified in the ROBEX HB September 2009 Amendment Part c) of this conclusion is “consult the RODBs to monitor the progress of OPMET data issuance in compliance with the Regional Air Navigation Plan for reporting at the OPMET/M TF/8 Meeting”</b>  <b>(RODB monitoring of SADIS OPMET reception times based on guidance (pg 18&amp;19 ROBEX HB) which is 15 and 25 minutes for METAR and TAF)</b></p>	2009
	Determine source of bulletin truncation as identified by Hong Kong, China	RODBs	<p>√ <b>TAF bulletin FTHK31 VHHH was received in order (no over-length in text) between 13 and 30 June 2009 (updated 30 June 2009)</b></p>	2009
<b>Verification / Assessment</b>				

	Verify that the issuance of SIGMET for the Phnom Penh (VDPP) FIR by the Kunming MWO (ZPPP) is disseminated to SADIS – if needed, make correction	Singapore RODB	√ <b>No abnormality was detected for the distribution of VDPP SIGMET (issued by Kunming MWO) to SADIS Gateway. (Note: Relay VDPP SIGMET issued by Kunming MWO to VDPP through email as of 25 June 2009) (updated 30 June 2009)</b>	15 June 2009
	Assess (1) impact to MET operations involved with issuing a 30-hour TAF for VVTS in terms of monitoring TAF and (2) impact to MET operations involved with issuing a 30-hour TAF for all aerodromes that have international flight operations (also consider the skill of the 30-hour forecasts)	Viet Nam	√ <b>No longer necessary since Viet Nam chose to implement IATA requirements (30-hour TAF for VVTS) by the end of 2009</b>	10 July 2009
<b>Inquiries / SL</b>				
	Follow-up with U.S. on APANPIRG C19/45 for information on 3 <sup>rd</sup> Generation ISCS needed for State preparation in the ASIA/PAC Region	Secretariat	<b>Email sent to U.S. for status on 8 June 2009 √ Reinstated in APANPIRG Conclusion 20/61</b>	15 June 2009
	Develop MWO contact list for distributing information on SIGMET tests and other OPMET related issues	Secretariat	<b>Will include in CNS/MET paper √ MWO contact list developed for those States who do not routinely participate in testing (thus far, Maldives, Mongolia and Solomon Is)</b>	CNS/MET SG13 - initiate 1 Oct 2009 -complete
	Inform States to use the filing time in the SIGMET header in the issuance of SIGMET	Secretariat	√ <b>Included in SIGMET test invitation letter</b>	1 Oct 2009
	Inform States to include the VAACs and RODBs in the AFTN list as per the SIGMET Guide	Secretariat	√ <b>Included in SIGMET test invitation letter</b>	1 Oct 2009

	Determine if a VAAC backup test is available and note whether they involve communications only or communications and issuance of advisories	Secretariat	√ HB on IAVW App D (involves issuance of advisories)	1 Oct 2009
<b>Documents</b>				
	Obtain SATH31, SATH32 and SATH33 bulletin hours of operations and add footnote to the ROBEX Handbook Table A	RODB Bangkok Secretariat	√	June 2009
	Include PZB in the bulletin split section of the ROBEX Handbook	Secretariat	√ (also included plan for RRA effective 1 February 2010)	June 2009
	Obtain example of bulletin splitting to the ROBEX Handbook and add to the ROBEX Handbook	Singapore RODB Secretariat	√	June 2009
	Update SIGMET Guide to clarify that the WV and WC tests only include AFTN reception (do not include GTS and WAFS) of FV and FK messages	Secretariat	√	June 2009
	Update SIGMET Guide with note that WS SIGMET is not initiated with an advisory message and that the MWO initiates the SIGMET test at the designated time in the SIGMET Guide	Secretariat	√	1 Oct 2009

**COMPLETED TASKS  
(3 June 2009)**

<b>COMPLETED TASKS Status on 2 June 2009</b>		
No	Action	Completion date (2007-2008)
<b>T5-1</b>	Propose to CNS/MET SG inclusion of States with systematic OPMET data shortfalls in the APANPIRG List of Deficiencies	Jul 07
	Request States to update SUG Annex 1 in	Mar 08

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	regard to non-AOP aerodromes	
	Continue operational trials of back-up procedures between IROGs BKK and SIN	Mar 08
<b>T5-2</b>	Harmonization of SADIS and ISCS OPMET data content	Sep 08
	Relay Russian SIGMET received via WMO GTS to all RODBs	Jan 08
<b>T5-3</b>	FTP and Web based access to RODB	Sep 07
<b>T5-4</b>	METNO messages and e-mail notifications for changes in ROBEX bulletins to be distributed to SADIS and ISCS Providers	Mar 08
	Mirroring of RODB content	Mar 08
	Standardize request message format and inform users	Jul 08
<b>T5-5</b>	Correct format of recompiled METAR and TAF bulletins by WAFC Washington Provider State	Sep 08
<b>T5-6</b>	Finalize the analysis of the WV, WC and WS tests held in Jan/Feb 2007, report to CNS/MET SG/11	Jul 07
	Advise all VAACs and TCACs of the correct AFTN addresses for test advisories.	Jun 07
	Conduct next SIGMET tests.	Feb 08
	Update Regional SIGMET Guide to reflect changes in Amendment 74 to Annex 3.	Jul 07
<b>T5-7</b>	Update ROBEX Tables with the information	May 07

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	received during the meeting.	
	Review and update the FT and FC Tables in ROBEX HB	July 08
<b>T5-8</b>	Update ICD with the information received during the meeting.	Mar 08
	Include information about web and ftp access for RODB Singapore.	Jul 08
<b>T5-9</b>	Coordinate with RODBs and use the Database for preparing OPMET Catalogue	Mar 08
<b>T5-10</b>	Regular yearly monitoring of OPMET data by the RODBs using the procedures in ROBEX Handbook.	Mar 08
	Post the OPMET monitoring results on the web and inform States of identified problems.	Oct 07
<b>T5-11</b>	Advise States to implement QC procedures for all OPMET data types	Jul 07
<b>T6-13</b>	Conduct a survey to enquire of airlines of their use of TAF information in the VOLME and the result of which to be presented to CNS/MET/12.	Jul 08

**OPMET Exchange Action Items List**

**(Next update: OPMET/M TF/8 meeting, Bangkok, Thailand, 23-25 March 2010)**

Meeting list contributing to progress

RODB/3 – Melbourne, Australia, 29-30 January 2009

OPMET/M TF/7 – Bangkok, Thailand, 2-4 June 2009

CNS/MET SG/13 – Bangkok, Thailand, 20-24 June 2009

APANPIRG/20 – Bangkok, Thailand, 7-11 September 2009

MID MET SG/2 – Cairo, Egypt, 15-17 December 2009

RODB/4 – Chiang Mai, 11-12 February 2010

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**Subjects:**

Non ROBEX scheme issues

IROG backup tests

METAR/TAF non compliance

SIGMET non compliance / monitoring

SIGMET test issues

SIGMET Guide updates

ROBEX Handbook updates

ICD updates

Other

Action	Assigned	Progress
<b><i>Non ROBEX Scheme Issues</i></b>		
Inquiry on AFTN ICAO Int'l requests from Brasilia (SBBR) to RODB Brisbane	RO APAC/SAM	<u>RODB-3</u> : Email sent to RO SAM. RO SAM contacted SBBR. SBBR wanted more details in reference to time of occurrence, which was forwarded to RO SAM given the monitoring period. No response since. <u>RODB-4</u> : Closed (deemed low priority)
Request US to issue OPMET bulletins that contain only IA5 characters from KWBC (Washington)	RO RODB Brisbane	<u>RODB-3</u> : Sent email to NOAA. Information being forwarded to appropriate group. Waiting for response. <u>RODB-4</u> : Still open and assigned to RODB Brisbane for monitoring
OPMET data required at SADIS for aerodromes in Iraq: ORBI (Baghdad) – SA, 24-h TAF ORMM – (Basrah) – SA, 24-h TAF ORSU – Sulaymaniyah - SA ORER – Ebil – SA SA, TAF are available throughout 24 hours IRAQ should be using LOZZMMID AFTN destination address for the Inter-Regional OPMET Gateway (IROG) in Vienna, Austria, but this is not being done and direct connections to other regional centres being investigated.	Meeting/RODB Singapore	<u>RODB4</u> : As reported by the EUR Bulletin Management Group (BMG), OPMET data for these IRAQI aerodromes are required at SADIS and requested by users, but are not available. It may take some time before direct connections (to Regional Centres such as in Jordan) are installed. Waiting on response by Iraq to EUR RO for verification that reliable email exists – if so – RODB Singapore will provide information on emailing OPMET at the OPMET/M TF/8 meeting
<b><i>IROG Backup tests</i></b>		
IROG backup tests	RODB Singapore and Tokyo	<u>RODB 3</u> : <u>RODB 4</u> : Status of Brisbane – Singapore; Tokyo – Singapore to be reported at OPMET/M TF/8 meeting <u>OPMET/M TF/8</u> :
Resolve non transmission of OPMET data to SADIS from Bangkok RODB identified when operating in backup mode	RODB Singapore and Bangkok	<u>OPMET/M TF/7 (2/09)</u> : investigate possible correlation of OPMET data filing on the half hour

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for the Singapore RODB		RODB 4: Test expected March 2010 to be reported at OPMET/M TF/8 meeting <a href="#">OPMET/M TF/8:</a>
<b><i>METAR/TAF non compliance</i></b>		
Monitor WABB TAF availability via Civil Aviation Transformation Team (CATT)	RODB Singapore  RO	RODB 3: RODB Singapore monitored the availability of TAF for WABB from 1 to 10 April 2009. Only 3 of 40 TAF messages were received. RO sent ICAO CATT summary of OPMET deficiencies on 3 July 2009 that included unavailability of TAF from WABB (since 13 May to reporting time of 30 June 2009) Summary provided for CATT delegation received in Bangkok in Sep 2009 <b>RODB 4: Closed (availability increased to 87% in Jan 2010 as reported by RODB Singapore)</b>
Indonesia 2 TAF valid at one aerodrome (non compliance to Annex 3)	RO  RODB Singapore/IATA/RO  RO	RODB 3: errors in TAF format in Indonesia need to be re-addressed <a href="#">OPMET/M TF/7:</a> continue monitoring TAF in June 2009 and forward to RO States that are non compliant Indonesia non compliant in TAF in June 2009 (source Singapore RODB), SL sent 3 July 2009 Indonesia non compliant in TAF on 25 Nov 2009 (source IATA), SL sent 14 Dec 2009 RODB 4: RODB Singapore determined in meeting that 2 TAF still being issued by Indonesia – RO inform Indonesia <a href="#">OPMET/M TF/8:</a> ask members of Indonesia of implementation date of issuing only one TAF per aerodrome in accordance to the Regional Air Navigation Plan (FASID Table MET 1A)
India 2 TAF valid at one aerodrome (non compliance to Annex 3)	RO  Singapore	RODB 3: errors in TAF format in India need to be re-addressed <a href="#">OPMET/M TF/7:</a> continue monitoring TAF in June 2009 and

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	RODB/IATA/RO	<p>forward to RO States that are non compliant</p> <p>India non compliant in TAF in June 2009 (i.e. VABB) (source Singapore RODB), SL sent 3 July 2009</p> <p>Indonesia non compliant in TAF on 25 Nov 2009 (source IATA), SL sent 14 Dec 2009</p> <p><u>RODB 4:</u> IATA informed RO of noncompliance and SL sent on 9 Feb 2010</p> <p><a href="#">OPMET/M TF/8: ask members of India of implementation date of issuing only one TAF per aerodrome in accordance to the Regional Air Navigation Plan (FASID Table MET 1A)</a></p>
Mongolia 2 TAF valid at one aerodrome (non compliance to Annex 3)	<p>RODB Singapore/RO</p> <p>RODB Singapore/RO</p> <p>RO</p>	<p><u>Post RODB 3:</u> Singapore RODB identified 2 TAF valid at the same time in Mongolia in February 2009, SL sent 13 March 2009</p> <p><u>OPMET/M TF/7:</u> continue monitoring TAF in June 2009 and forward to RO States that are non compliant</p> <p>Mongolia non compliant in TAF in June 2009 (source Singapore RODB), SL sent 3 July 2009</p> <p><u>RODB 4:</u> Mongolia still issues 2 TAF as determined by RODB Singapore in the meeting – RO to re-inform Mongolia</p> <p><a href="#">OPMET/M TF/8: email sent to Mongolia on 8 March 2010</a></p>
Sri Lanka TAF format errors	<p>RO</p> <p>RODB Bangkok</p>	<p><u>OPMET/M TF/7:</u> reported TAF format errors in Sri Lanka (blank line before WMO header and use of “Z” in date/time group of WMO AHL), email sent</p> <p><u>RODB 4:</u> Monitor for format errors and report to Regional Office by the OPMET/M TF/8 meeting</p> <p><a href="#">OPMET/M TF/8:</a></p>
Address temperature group location error and multiple min/max temperatures from Switzerland	RO	<p><u>RODB 3:</u> Sent email to RO EUR but response not received due to transition of personnel</p> <p><u>RODB 4:</u> Closed (deficiency would be reported to EUR RO)</p>
Errors in TAF format in MID (Amman, Beirut, Jeddah, Tehran filing time and format (Amman) errors)	RO	<p><u>RODB 3:</u> Sent EUR RO format errors, but due to transition of personnel, response not provided</p> <p><u>RODB 4:</u> Closed (deficiency would be reported to EUR RO)</p>
Improve OPMET timeliness	IATA/RO	<p><u>OPMET/M TF/7:</u> improving the elapsed time from METAR observation and TAF creation to reception to user is desired</p>

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	RO to ask IATA	<p>by operators. WP35 – CNS/MET SG/13 meeting produced <b>APANPIRG Conclusion 20/62</b>, Harmonization of procedures for OPMET data issuance. Subsequently, guidance material on OPMET timeliness was clarified on pages 18 and 19 of the ROBEX HB in the September 2009 Amendment. Part c) of this conclusion, “consult the RODBs to monitor the progress of OPMET data issuance in compliance with the Regional Air Navigation Plan for reporting at the OPMET/M TF/8 Meeting”</p> <p><u>RODB 4</u>: Meeting agreed IATA is best equipped to monitor OPMET reception times at SADIS (reception time of METAR and TAF should be 15 and 25 minutes after observation and creation) – RO to ask IATA</p> <p><a href="#">OPMET/M TF/8</a>:</p>
<b><i>SIGMET non compliance/ monitoring</i></b>		
Monitor issuance of SIGMET from Sunan MWO (ZKPY) for the Pyongyang FIR (ZKKP)	RODB Tokyo  RO	<p><u>OPMET/M TF/7</u>: No SIGMET received from Pyongyang MWO (ZKPY) for 50 days monitored during convection season (9 and 30 June; 18-31 July, 1-14 August 2009) Participated in WS SIGMET test 24 Nov 2009</p> <p><u>RODB 4</u>: RODB Tokyo monitor for validation of SIGMET before proposing removal of AP-MET-16 to be reported to the RO</p> <p>Inform DPR Korea that all RODBs be sent SIGMET (RODBs Bangkok and Singapore did not receive test SIGMET)</p> <p><a href="#">OPMET/M TF/8</a>: DPR Korea informed to send SIGMET to all RODBs in the Region on 8 March 2010</p>
Monitor progress of the issuance of SIGMET by Myanmar		<p><u>OPMET/M TF/7</u>: SIGMET is issued by Myanmar; however, the format of the validity period is incorrect. This information was forwarded to Myanmar in June 2009. Participated in WV and WS SIGMET tests on 17, 24 Nov 2009 (exempt from WC since advisory from TCAC Delhi not</p>

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	RODB Bangkok  RO	issued and likely due to disturbance in Indian Ocean) <u>RODB 4</u> : RODB Bangkok monitor for validation of SIGMET before proposing removal of AP-MET-13 to be reported to the RO Inform Myanmar that all RODBs be sent SIGMET (RODBs Tokyo and Brisbane did not receive test SIGMET) <a href="#">OPMET/M TF/8: Myanmar informed to send SIGMET to all RODBs in the Region on 8 March 2010</a>
States with incorrect WMO headers indentified in the WS SIGMET tests in November 2009 be informed by the Regional Office using yellow-highlighted text in Appendix 1 to RODB WP/7 as reference (i.e. Mumbai and Jakarta should be VABF and WIIZ)	RO	<a href="#">OPMET/M TF/8:</a>
<b><i>RODB data catalogue</i></b>		
Post RODB data catalogue on ICAO APAC website	RO	<u>RODB 3</u> : <u>RODB 4</u> : Closed (ICD is referenced by RODBs and is posted on web site)
<b><i>SIGMET test issues</i></b>		
Propose expanded WV SIGMET test with added details to the OPMET/M TF/7	RODB Tokyo	<u>RODB 3</u> : WP23 – OPMET/M TF/7; IP32 – CNS/MET SG/13; <b>APANPIRG C20/68</b> , Expanded WV SIGMET Test Development <u>RODB 4</u> : active volcanoes makes it difficult for testing – plan to coordinate with JCAB and major airlines report to the OPMET/M TF/8 meeting <a href="#">OPMET/M TF/8:</a>
Inclusion of MID Region MWOs that receive Tropical Cyclone Advisories from TCAC Delhi in the November 2010 SIGMET tests	EUR RO	<u>MID METSG/2</u> : Proposal to include MID in ASIA/PAC TC SIGMET test was pragmatic since TCAC Delhi participates and would already be sending TC Advisories to the western Indian Ocean for MWOs in Iran, Kuwait, Bahrain, United

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	EUR&ASIA/PAC ROs	Arab Emirates, Oman, and Yemen. Note - Qatar is covered by Bahrain. <u>RODB 4:</u> RO sent amendment proposal to FASID Table MET 3A (APAC 10/6) that includes the MID MWOs under TCAC Delhi in italics and will note in <i>SIGMET Guide</i> of this added participation <a href="#">OPMET/M TF/8:</a>
Use standard spread sheet for collecting data from RODBs in preparation for the analysis of SIGMET tests	Australia	<u>RODB 4:</u> Template will be sent to RODBs for review by OPMET/M TF/8 meeting <a href="#">OPMET/M TF/8:</a>
<b><i>SIGMET Guide updates</i></b>		
Add inclusion of MID MWOs under TCAC Delhi in WC SIGMET test procedures	RO	<u>MID METSG/2</u> <u>RODB 4:</u> RO will update by June 2010
Update Appendix H for missing WMO SIGMET Headers (including new entry for Afghanistan) and Melbourne correction	RO	<u>RODB 4:</u> RO will update by June 2010
Update Appendix J to note that the RO and SIGMET test point of contact be made aware of nonparticipation in SIGMET test due to active SIGMET – for accurate accounting And include in SL of notification of SIGMET test	RO	<u>RODB 4:</u> RO will update by June 2010  RO will include in SL of notification of SIGMET test
<b><i>ROBEX Handbook updates</i></b>		
SA and FT bulletins, SAPS31, SAPS32 NFFN and FTFS31 NFFN are not received from Nadi ROBEX Centre via AFTN at RODB Singapore The following is received by ISCS: SAPS31 NZKL (NCRG, NTF, NGFU, NIUE, NSFA) SAFJ31 NFFN (NFFN) FTFJ31 NFFN (NCRG, NFFN, NTF, NSFA)	RO	<u>RODB4:</u> General concept of RODB functions (use of AFTN in distributing OPMET data to other RODBs, participation in SIGMET test results, backup to RODB Brisbane) be forwarded to ICAO Headquarters for consultation and determine a course of action (to improve RODB Fiji performance) <a href="#">OPMET/M TF/8:</a>

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Include non-AOP aerodromes from Japan in ROBEX HB Table B	RO/ Japan	<u>RODB 3:</u> <u>RODB 4:</u> Japan provide a list of aerodromes by April for inclusion in June amendment
Update MID info in ROBEX HB	RO	<u>RODB 3:</u> email sent to EUR RO, but due to transition of personnel, response not provided <u>RODB 4:</u> Will include any changes provided by EUR RO in next amendment
ROBEX HB amendment to include results of mean real time reception at the Singapore RODB	RODB Singapore/ RO	<u>OPMET/M TF/7 (3/09):</u> <u>RODB 4:</u> Plan for including results of real time monitoring conducted in Sep 2009 in June 2010 Amendment
Afghanistan – OPMET currency in ROBEX HB – AFTN not used and thus bulletin SAIR32 OIII with regards to Afghanistan is incorrect.	RO	<u>RODB 4:</u> Remove SAIR32 OIII from Table A since Afghanistan does not utilize this bulletin (as confirmed by Singapore RODB) Note to be added that bulletins used are SAAH10 (METAR for OAKB) and FTAH10 (TAF for OAKB) and obtained by ISCS and relayed by Singapore IROG to SADIS
Lao – possibly add 4 aerodromes (VLLB, VLLN, VLSK and VLPS) to one of Bangkok TAF bulletins	RODB Bangkok  RO	<u>RODB4:</u> RODB Bangkok in progress of optimizing bulletins – possibly reported to the OPMET/M TF/8 meeting Once known, RO to include in June amendment
Japan – add AFTN address in ROBEX HB Table B and D as per RODB/4 WP5 (except for the RODB addresses and the redundant Singapore and Brisbane address)	RO	<u>RODB4:</u> update to be included in June 2010 amendment
Add AFTN routing sketch to ROBEX Handbook which helps serve who and why backups are conducted And verify the OPMET exchange diagram conforms to this sketch	RO	<u>RODB 4:</u> update to be included in the June 2010 amendment
<b><i>ICD updates</i></b>		
Update once per year	RODBs RO	<u>RODB 4:</u> Updated Appendices by May 2010 Update doc and post (amendment June 2010)
<b><i>Other</i></b>		

OPMET/M TF/8  
Attachment 2 to WP/3

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Monitoring software to accept AUTO format for METAR in calculating performance indicators	RODB Singapore	<u>RODB 4</u> : to update software
Resolve multiple bulletin counting by requesting the source not to issue multiple bulletins	RODB Tokyo/RO	<u>RODB 4</u> : RODB Tokyo to provide RO example of duplicate bulletins sent from India for consultation with State <a href="#">OPMET/M TF/8</a> : inquire to members of India when these multiple bulletins will stop being issued