



INTERNATIONAL CIVIL AVIATION ORGANISATION
AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)
AFI OPMET MANAGEMENT TASK FORCE FOURTH MEETING (AFI OPMET MTF/4)
(Pretoria, South Africa, 10-11 September 2012)

Agenda Item 02: Review of MTF/3 Recommendations, MET/SG/10 and APIRG/18 Conclusions and Decisions related to OPMET

- b) Review of MET/SG/10 and APIRG/18 Conclusions and Decisions related to OPMET

IMPLEMENTATION OF MTF/4 RECOMMENDATIONS WITH REGARD TO MET/SG/10 AND APIRG/18 CONCLUSIONS AND DECISIONS RELATED TO OPMET.

(Presented by the Secretariat)

SUMMARY

This paper reviews the status of implementation of the AFI OPMET MT/2 and 3 Recommendations submitted to MET/SG/10 and APIRG/18 Meetings with information on follow up actions. The OPMET related Conclusions and Decisions of APIRG/13 to 17 will also be reviewed as per APIRG/18 Conclusion 18/01.

1. Introduction

1.1 A number of Recommendations of the AFI OPMET MTF/2 and MTF/3 meetings, submitted to the MET/SG/10 Meeting (Senegal, 29 June to 1 July 2011), adopted by the subsequent APIRG/18 Meeting (Uganda, 27-30 March 2012), are listed in **Appendix A** to this working paper (WP) for the follow up action as required by the Task Force.

1.2 The meeting may recall the Decision 18/01 of the APIRG/18 meeting calling for a review and update of APIRG Conclusions and Decisions by APIRG Sub-Groups including the MET/SG. In this regard, the MTF/4 is invited to review the OPMET related Conclusions and Decisions of APIRG/13 to APIRG/17 as shown in **Appendix B** to this WP and decide on the way forward.

2. Discussion

2.1 The meeting is invited to review the OPMET related Decisions and Conclusions from MET/SG/10 and APIRG/18 as shown in the **Appendix A** to this paper for the progress so far made on their implementation.

2.2 The Task Force is informed that APIRG/18 acknowledged that the number of Conclusions and Decisions has become cumbersome to manage effectively and requires a strategy to be developed for their streamlining. In this regard, the Meeting agreed that the Sub-Groups should review all APIRG Conclusions and Decisions since APIRG/13 meeting, with the objective of identifying Conclusions and Decisions with the following characteristics:

- a) Those which have been implemented or become obsolete due to developments;

- b) Those which have matured to be included in the work programme of APIRG and its subsidiary bodies as well as the Terms of Reference or Handbook of the Group;
- c) Those which are adequately covered by other specific provisions of ICAO including SARPs, Assembly Resolutions and Regional requirements, to be deleted or reformulated to complement such other ICAO provisions; and
- d) Those which have since become redundant.

2.3 In this regard, the meeting may wish to review OPMET related Conclusions and Decision of APIRG/13 to 17 shown in **Appendix B** to this working paper and formulate the following Recommendation:

Decision 4/xx: Review of Previous OPMET Related APIRG Conclusions and Decisions

That, the reviewed list of OPMET related APIRG Decisions and Conclusions in Appendix B to this working paper, be submitted to the MET/SG/11 Meeting for further review.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information in this paper and;
- b) review the status of implementation of AFI OPMET MT/2 and 3 Recommendations submitted to MET/SG/10 and APIRG/18 Meetings as given in **Appendix A** and note the follow up actions taken so far;
- c) decide on the above Decision proposed for the Task Force's consideration.

Appendix A

**STATUS OF IMPLEMENTATION OF MTF RECOMMENDATIONS WITH REGARD TO OPMET
RELATED CONCLUSIONS AND DECISIONS FROM MET/SG/10 AND APIRG/18**

MTF Rec. No.	Title and Text of Rec. submitted to MET/SG/10	N° and Title of corresponding MET/SG Dec./ Concl. Submitted to APIRG/18	N°, Title and Text of corresponding Dec/Conl. Adopted by APIRG/18	Status/Action Taken
2/1:	<p>Composition of the AFI OPMET MTF</p> <p>That,</p> <p>a) a Member of the Task Force who is unable to attend the MTF's meeting should notify the Chairman and the Secretary accordingly;</p> <p>b) two successive absences without a written apology to the Chairman by a member will automatically cause them to cease to be member.</p>	<p>Decision 10/25—</p> <p>Composition of the MET/SG</p>	<p>No action by APIRG</p>	
2/3	<p>Schedule of the AFI OPMET Monitoring</p> <p>That, Dakar and Pretoria RODBs:</p> <p>a) implement an automatic OPMET data monitoring scheme using procedures in Chapter 12 and Appendix F of the AMBEX Handbook on quarterly basis (March 31, June 30, August, 31 and December 31 of each year)</p> <p>b) distribute the monitoring statistics to the Chairman of the Task Force and the Secretariat;</p>	<p>Draft Conclusion 10/4:</p> <p>Schedule of the AFI OPMET Monitoring</p>	<p>Conclusion 18/41: Implementation of AMBEX Handbook Procedures</p> <p>That Dakar and Pretoria RODB Provider States:</p> <p>a) implement an automatic OPMET data monitoring scheme using procedures in Chapter 12 and Appendix F of the AMBEX Handbook on quarterly basis (March 31, June 30, August, 31 and December 31 of each year);</p> <p>b) perform regular 24 hour simultaneous monitoring</p>	<p>State Letter forwarded to Dakar and Pretoria RODB Provider States for implementation</p>

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	<p>c) perform regular 24 hour simultaneous monitoring starting at 00:00:00 UTC on the first Wednesday of every month,</p> <p>d) Implement the above tasks from 01 January 2012.</p>		<p>starting at 0000 UTC on the first Wednesday of every month; and</p> <p>c) distribute the monitoring statistics to the Chairman of the OPMET Management and the Secretariat with effect from July 2012.</p>	
2/7	<p>Direct AFTN Link between AFI RODBs</p> <p>That,</p> <p>a) Dakar and Pretoria RODBs Provider States take the required measures to provide direct AFTN connexion between both RODBs to facilitate the implementation of back up procedures between them.</p> <p>b) back-up procedures for the two RODBs be developed for use and supported by reliable telecommunications facilities.</p>	<p>Draft Conclusion 10/7:</p> <p>Implementation of an AFTN circuit between Dakar and Pretoria RODBs to support back-up contingency capabilities</p>	<p>Conclusion 18/43: Implementation of an AFTN Circuit Between Dakar and Pretoria RODBs to Support Back-Up Contingency Capabilities</p> <p>That Dakar and Pretoria RODBs Provider States,</p> <p>a) investigate the best possible way to implement a backup circuit between the two RODBs for the implementation of the backup procedures between the RODBs, in time for the MTF/4 meeting September 2012 and</p> <p>b) implement reliable telecommunications facilities to support back-up procedures for the AFI RODBs.</p>	<p>State Letter forwarded to Dakar and Pretoria RODB Provider States for implementation</p>
2/8	<p>Improvement of availability of OPMET from a number of AFI States</p> <p>That, efforts be made by the concerned States to improve the availability at Dakar RODB, of required OPMET from Accra, Conakry, Freetown, Kano, Kinshasa, Lagos, Luanda</p>	<p>Draft Conclusion 10/16:</p> <p>Improvement of OPMET availability from AFI States Aerodromes</p>	<p>Conclusion 18/50: Improvement of OPMET Availability from AFI States Aerodromes</p> <p>That efforts be made by the concerned States to improve the availability at Dakar RODB, of the required OPMET information from Accra, Conakry,</p>	<p>State Letter forwarded to then concerned AFI States for implementation</p>

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			Freetown, Kano, Kinshasa, Lagos and Luanda.	
2/9:	<p>Development of a backup procedures for the AFI RODBs</p> <p>That, a Core Team of experts consisting of Members from Kenya, Madagascar, Senegal and South Africa be established to develop a back up procedures for the AFI RODBs.</p> <p><i>Note: The team is expected to provide the results of their efforts to the Chairperson before 30 June 2011.</i></p>	<p>Draft Decision 10/6:</p> <p>Development of back up procedures for the AFI RODBs</p>	<p>Decision 18/42: Development of Backup Procedures For The AFI RODBs</p> <p>That a Core Team of experts consisting of Members from Kenya, Madagascar, Senegal, South Africa and ASECNA be established to develop back up procedures for the AFI RODBs.</p>	State Letter forwarded to the Core team Experts for implementation
2/11	<p>Amendment Proposals to the AMBEX HANDBOOK</p> <p>That, the amendments to the AMBEX Handbook given on <u>Appendix C</u> to this report be submitted to the MET/SG Meeting for further review.</p> <p><i>Note: Appendix C is to be finalized after the meeting</i></p>	<p>Draft Decision 10/8:</p> <p>Amendment to the AMBEX Handbook</p>	<p>Decision 18/44: Amendment to the AMBEX Handbook</p> <p>That:</p> <p>a) Appendices A and B to the AMBEX Handbook be updated by the MET/SG Secretariat to reflect AFTN addresses for the IROGs Bangkok, Jeddah and Rio de Janeiro; and</p> <p>b) the amended AMBEX Handbook given in Appendix 3.6A to this report, be</p> <p>i) endorsed as the AMBEX Handbook Seventh Edition, Amendment 2; and</p> <p>ii) published by the MET/SG Secretariat by July 2012.</p>	Implemented: The AMBEX Handbook is updated and published on ICAO website

MTF Rec. No.	Title and Text of Rec. submitted to MET/SG/10	N° and Title of corresponding MET/SG Dec./ Concl. Submitted to APIRG/18	N°, Title and Text of corresponding Dec/Concl. Adopted by APIRG/18	Status/Action Taken
2/12	<p>Updating paragraph 6.2.10 of the AMBEX HANDBOOK</p> <p>That, paragraph 6.2.10 c) of the AMBEX Handbook be corrected according to the AFI ICD.</p>	Combined with the Draft Decision 10/8	Decision 18/44	Implemented: The AMBEX Handbook is updated and published on ICAO website
2/13	<p>Updating AFTN Addresses of some Aerodromes in South Africa</p> <p>That, the ICAO Regional Office in Nairobi updates Appendixes A and B of the AMBEX Handbook as follows:</p> <ul style="list-style-type: none"> • AFTN address for Pretoria (FAPRYMYX) to be changed to Johannesburg (FAJSYMYX) • Durban (FADN) to be changed to King Shaka (FALE) • Lilongwe's ICAO location indicator (FWLI) to be changed to FWKI • FAPR to be changed to FAJS in the bulletins. • Spelling for Cape Town to be corrected. 	Combined with the Draft Decision 10/8	Decision 18/44	Implemented: The AMBEX Handbook is updated and published on ICAO website
2/14	<p>AFI OPMET data catalogue</p> <p>That, the draft OPMET data catalogue given in the Appendix D to this report be finalized by the RO DB Managers for use by the two OPMET data banks.</p>	<p>Decision 10/10:</p> <p>Finalization of AFI OPMET data catalogue (by the</p>	<p>Conclusion 18/46: Implementation of AFI OPMET Data Catalogue</p> <p>That the OPMET data catalogue given in Appendix</p>	To be expeditiously finalized by

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	The updating of the catalogues be a joint responsibility of the two data banks’.	RODBs) and Draft Conclusion 10/11 Implementation of AFI OPMET data catalogue	3.6B to this report, be expeditiously finalized and implemented by States in the AFI Region.	Dakar and Pretoria RODBs Provider States And Implemented by States
2/15	Implementation of Special AIREP by Dakar RODB That, Dakar RODB implements all types of OPMET data described in the AMBEX Handbook including special AIREP (UA).	Combined with 10/8	Decision 18/44	Implemented: The AMBEX Handbook is updated and published on ICAO website
2/17	Sensitizing Authorities at High Level AFI Region Meetings on Safety and Security Issues That, ICAO Regional Offices sensitize Authorities at the highest political level on the importance of continually monitoring hazardous weather conditions in their respective air spaces (Flight Information Regions (FIRs)) for air safety especially the issuance of SIGMETs by the MWOs.	Draft Conclusion 10/14 Measures to improve the issuance of SIGMET in the AFI region	Conclusion 18/48: Measures to Improve the Issuance of SIGMET in the AFI Region That the ICAO Dakar and Nairobi Regional Offices sensitize meteorological authorities in the AFI Region on the importance of continuous monitoring, by meteorological watch offices (MWOs), of hazardous meteorological conditions that would warrant the issuance of SIGMET information in their respective areas of responsibility.	Meteorological Authorities in the AFI region will be sensitized during ICAO State Missions

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3/2	<p>Provision of WS SIGMET advisory information by Pretoria RODB during AFI SIGMET tests</p> <p>That, the facilities made available by Pretoria RODB Provider State for the on-going SIGMET advisory trials, could be utilized during AFI SIGMET tests to assist the AFI region with the provision of SIGMET advisory information for any other weather phenomenon other than tropical cyclone and volcanic ash.</p> <p><i>Note: France who also provided such facility during SIGMET advisory trial may also propose such assistance for test purposes.</i></p>	<p>Draft Conclusion 10/12- Provision of SIGMET advisory information by Pretoria RODB during AFI SIGMET tests</p>	<p>No Decision or Conclusion formulated by APIRG/18 but para. 3.6.22 indicated that “...the Geocentric Information Briefing (GIB) will be made available by Pretoria RODB Provider State during the SIGMET advisory trial and it will be used to assist ICAO WACAF and ESAF Regional Offices during WS SIGMET tests for the AFI region. The Group was informed that France having also provided such facility during the SIGMET advisory trials may propose such assistance for test purposes.”</p>	<p>Implemented: the GIB was already provided by Pretoria RODB Provider State during 2011 SIGMET Tests.</p>
3/3:	<p>Amendment to the AFI Regional SIGMET Guide</p> <p>That, the amendment to the SIGMET Guide given in <u>Appendix D</u> to this report, be endorsed as the AFI Regional SIGMET Guide Ninth Edition, Amendment 2.</p>	<p>Draft Decision 10/13: Amendment to the AFI Regional SIGMET Guide</p>	<p>Decision 18/47: Amendment To The AFI Regional SIGMET Guide</p> <p>That the amendment to the SIGMET Guide given in Appendix 3.6C to this report, is approved as the AFI Regional SIGMET Guide Ninth Edition, Amendment 2.</p>	<p>Implemented: The AFI Regional SIGMET Guide is updated and published on ICAO website</p>
3/4:	<p>Implementation of a AFTN Circuit between Dakar and Pretoria RODB</p> <p>That, Dakar and Pretoria RODBs investigate the best possible way to implement a backup circuit between the two RODBs for the implementation of the</p>	<p>Draft Conclusion 10/7: Implementation of an AFTN circuit between Dakar and</p>	<p>Conclusion 18/43: Implementation of an AFTN Circuit between Dakar and Pretoria RODBs to Support Back-Up Contingency Capabilities</p> <p>That Dakar and Pretoria RODBs Provider States, a) investigate the best possible way to implement a backup</p>	<p>A State Letter forwarded to Dakar and Pretoria RODBs Provider States</p>

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	backup procedures between the RODBs, on time for the MTF/4 meeting.	Pretoria RODBs to support back-up contingency capabilities	circuit between the two RODBs for the implementation of the backup procedures between the RODBs, in time for the MTF/4 meeting September 2012 and b) implement reliable telecommunications facilities to support back-up procedures for the AFI RODBs.	for implementation
3/7	Amendment Proposals to the AMBEX HANDBOOK That, the amendment to the AMBEX Handbook given in <u>Appendix F</u> to this report, be endorsed as the AMBEX Handbook Seven Edition, Amendment 2.	Draft Decision 10/8: Amendment to the AMBEX Handbook	See Decision 18/44 above	Implemented: The AMBEX Handbook is updated and published on ICAO website
3/10:	EUR SIGMET monitoring That, the two AFI RODBs be invited to monitor the reception of SIGMET during the regular EUR SIGMET test and report.	Draft Conclusion 10/9: SIGMET monitoring and OPMET routing	Conclusion 18/45: SIGMET Monitoring and OPMET Routing Tables That: a) the two AFI RODB Provider States be invited to monitor the reception of SIGMET information during the regular (twice yearly) EUR Region SIGMET tests and report; b) the two AFI IROGs and ROC Toulouse exchange their routing tables and verify the coherency of these tables; and c) the AFI IROGs be invited to review their current routing tables, the status of OPMET reception, and update the routing tables as necessary.	A State Letter forwarded to Dakar and Pretoria RODBs Provider States for implementation

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3/11:	<p>Exchanging Routing Tables between AFI IROG and ROC Toulouse</p> <p>That, the two AFI IROGs and ROC Toulouse exchange their routing tables and verify their coherency.</p>	Combined with the Draft Conclusion 10/9 above	Combined with the Draft Conclusion 18/45 above	A State Letter forwarded to Dakar and Pretoria RODBs Provider States for implementation
3/12	<p>Review of the OPMET routing by the AFI IROGs</p> <p>That,</p> <p>a) the AFI IROGs be invited to review their current routing tables, the OPMET status of reception, and if necessary, update the routing tables; and</p> <p>b) ICAO invites AFI States to solve OPMET production and routing issues.</p>	Combined with the Draft Conclusion 10/9 above	Combined with the Draft Conclusion 18/45 above	A State Letter forwarded to Dakar and Pretoria RODBs Provider States for implementation
3/13	<p>AFI OPMET data catalogue</p> <p>That, the proposed data catalogue given in the <u>Appendix G</u> to this report be finalized by the RODB Managers and implemented by the RODB Provider States as the requirements for the AFI OPMET data catalogue.</p>	<p>Decision 10/10:</p> <p>Finalization of AFI OPMET data catalogue (by the RODBs)</p> <p>and</p> <p>Draft Conclusion 10/11</p>	<p>Conclusion 18/46: Implementation of AFI OPMET Data Catalogue</p> <p>That the OPMET data catalogue given in Appendix 3.6B to this report, be expeditiously finalized and implemented by States in the AFI Region.</p>	To be expeditiously finalized by Dakar and Pretoria RODBs Provider States And Implemented by States

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		Implementation of AFI OPMET data catalogue		
3/14	<p>Adaptation of the DMG Time Validation Criteria</p> <p>That the time validation criteria developed by the DMG for the EUR be adapted to align it with the Air Navigation Plan (ANP) for the AFI Region and included in the AFI AMBEX Handbook for implemented by both Dakar and Pretoria.</p>	<p>Decision 10/5: Adaptation of the EUR OPMET DMG Time Validation Criteria for application in the AFI Region</p>	No action by APIRG	
3/15	<p>Revision of OPMET Data Requirements That:</p> <p>a) information related to the requirements of OPMET data from non-AOP aerodromes as given in <u>Appendix H</u>, be submitted by ICAO Regional Offices to the concerned States for approval, before amending the AFI FASID MET Table 2A and Annex 1 to the SADIS User Guide (SUG);</p> <p>b) the aerodromes as listed in <u>Appendix I</u> to this report, be deleted from AFI FASID MET Table 2A.</p>	<p>Draft Conclusion 10/15: Revision of OPMET Data Requirements</p>	<p>Conclusion 18/49: Revision of OPMET Data Requirements</p> <p>That:</p> <p>a) information related to the requirements of OPMET data from non-AOP aerodromes as given at Appendix 3.6D to this report, be submitted by ICAO Dakar and Nairobi Regional Offices to the concerned States for approval, before amending the AFI FASID MET Table 2A and Annex 1 to the SADIS User Guide (SUG); and</p> <p>b) the non-AOP aerodromes as listed in Appendix 3.6E to this report, be deleted from AFI FASID MET Table 2A.</p>	FASID Table MET 2A process on going

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3/16:	<p>Preparation of AFI XML Transition Plan</p> <p>That, the preparation of the AFI XML Transition Plan be postponed until the decision on the implementation of the use of XML for OPMET and the necessary XML code tables has been completed by the MET/AIM Divisional Meeting planned for 2014.</p>	<p>Decision 10/17:</p> <p>Preparation of AFI XML Transition Plan</p>	No action by APIRG	

Appendix B

**REVIEW STATUS OF IMPLEMENTATION OF OTHER OUTSTANDING
OPMET RELATED CONCLUSIONS & DECISIONS FROM OTHER APIRG PREVIOUS MEETINGS**

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation and Similar subject with Previous Dec/Concl.
6) APIRG Con. 13/68	Better communications for volcano observatories	That states concerned make efforts to establish reliable communications links between their volcano observatories and meteorological watch offices (MWOS) and area control centres (ACCS).	<ul style="list-style-type: none"> • Improved communications links between volcano observatories and meteorological watch offices (MWOS) and area control centres 	<ul style="list-style-type: none"> • Continuous: State letters forwarded to States with active volcanoes <p>None</p>
28) APIRG/17 Concl. 17/75	OPMET exchange requirements and inter- regional OPMET gateway (IROG) functions	<p>That:</p> <p>a) The OPMET data type, OPMET bulletins and types of OPMET exchange at Appendix 3.5C, be implemented by Dakar and Pretoria Regional OPMET data banks (RODBs), AMBEX bulletin compiling centres (BCCs) and National OPMET Centres (NOCs) as the OPMET requirements in the AFI Region; and</p> <p>b) The IROG functions and the requirements for the exchange of OPMET between the AFI Region and adjacent Regions in Appendices 3.5D and 3.5E to this report be implemented by Dakar and Pretoria RODBs as the requirements for the interregional OPMET exchange in the AFI Region.</p>	<ul style="list-style-type: none"> • Related AMBEX procedures implemented; • Improved availability of OPMET at AFI aerodromes 	<ul style="list-style-type: none"> • OPMET data type, OPMET bulletins and types of OPMET exchange implemented by Dakar and Pretoria RODBs, • The above requirements are being implemented by AFI BCCs and NOCs. <p>None</p>

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation and Similar subject with Previous Dec/Concl.
29) APIRG/17 Concl. 17/76	Revision of OPMET data requirements	That, information related to the requirements of OPMET data from AOP Aerodromes as given in Appendix 3.5F to this report be included in the AFI FASID MET Table 1A after the normal amendment of the FASID Table.	<ul style="list-style-type: none"> • Updated AFI FASID MET Table 1A • New OPMET requirements included in AFI FASID 	Action completed None
30) APIRG/17 Concl. 17/77	OPMET exchange monitoring and management procedures at BCCS and RODBs	That, the OPMET management and monitoring procedures given in appendices 3.5I and 3.5J to this report be implemented by the RODBS and the BCCS as the requirements for OPMET exchange monitoring and management procedures in the AFI region.	<ul style="list-style-type: none"> • Related AMBEX procedures implemented; • OPMET exchange monitoring and management procedures Implemented at BCCs and RODBs • Improved availability of OPMET at AFI aerodromes 	<ul style="list-style-type: none"> • Implementation of required procedures on going • Assessment of the procedures implementation to be completed by the next MTF/4 meeting Concl. 17/75
31) APIRG/17 Concl. 17/78	Interface control document (ICD) for AFI OPMET database access procedures	That: a) The procedures given in Appendix 3.5I to this report be implemented as the Regional Interface Control Document (ICD) access procedures for AFI OPMET database; and b) The ICD be published by the ICAO Regional Office(s).	<ul style="list-style-type: none"> • The AFI Interface control document (ICD) for AFI OPMET database access procedures, implemented • Related AMBEX procedures implemented; • Improved availability of OPMET at AFI aerodromes 	<ul style="list-style-type: none"> • Implementation of required procedures on going • Assessment of the procedures implementation to be completed by the next MTF/4 meeting None
32) APIRG/17 Dec. 17/79	Future work programme and composition of the task force	That, the work programme and the composition of the AFI OPMET Management Task Force (MTF) be updated as shown in Appendix 3.5L to this report.	the work programme and the composition of the AFI OPMET Management Task Force updated	Completed None
33) APIRG/17 Dec. 17/80	Frequency of meetings of the AFI OPMET	That, the Task Force meets once a year to plan and assess progress on its work programme. The yearly meetings will be held alternatively between RODBs Dakar and Pretoria.	the frequency of meetings of the AFI OPMET MTF established	Completed None

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation and Similar subject with Previous Dec/Concl.
	MTF			
34) APIRG/17 Concl. 17/81	Improving the dissemination of SIGMET	<p>That:</p> <p>a) Dakar ROBD provider State and ASECNA take the required measures to file automatically the SIGMET test results using the appropriate procedures in the SIGMET guide; and</p> <p>b) Upon receipt of a VAA Message, the MWOs in the AFI Region act promptly to issue a corresponding SIGMET within ten (10) minutes.</p>	<ul style="list-style-type: none"> • Improved dissemination of SIGMETs • Improved availability of SIGMET at aerodromes and for en-route users 	<ul style="list-style-type: none"> • Dakar ROBD updated with regard to automatic filing • The yearly AFI SIGMET tests results indicates that most MWOs issue SIGMETs within ten (10) minutes <p>None</p>
35) APIRG/17 Concl. 17/82	Measures to improve the issuance and dissemination of SIGMET	<p>That:</p> <p>a) The ICAO Regional Offices of Dakar and Nairobi evaluate the provision of SIGMET information in all AFI MWOs through the ROBD and State missions;</p> <p>b) ICAO Regional Offices encourage States to establish arrangements between adjacent MWOs for the provision of SIGMET information in MWOs where telecommunications or organizational issues are still inadequate;</p> <p>c) WMO in coordination with ICAO, be invited to provide additional training in the issuance of VA and TC SIGMETs to some MWOs not able to issue the required SIGMETs;</p> <p>d) The ICAO Regional Offices of Dakar and Nairobi update the AFI SIGMET guide for additional details of VA and TC test procedures; and</p> <p>e) The MWOs provider States endeavor to address the identified deficiencies in the issuance and dissemination of SIGMET.</p>	<ul style="list-style-type: none"> • Issuance and dissemination of SIGMET improved • Improved availability of SIGMET at aerodromes and for en-route users 	<p>a) Evaluation of SIGMET provision through AFI SIGMET Tests</p> <p>b) Two MWOs (Robertsfield and Kinshasa) are yet to fully comply with the requirements of the SIGMET preparation and dissemination</p> <p>c) Additional SIGMET training scheduled for 2012</p> <p>d) AFI SIGMET Guide updated and placed at AFI website</p> <p>e) State letter sent to concerned MWO Provider States to endeavor to address the identified deficiencies</p> <p>Concl. 17/81</p>

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation and Similar subject with Previous Dec/Concl.
36) APIRG/17 Concl. 17/83	Improving availability of non-regular OPMET information	That, AFI States be invited to organize coordination meetings between ATM, MET and Pilots on regular basis, to improve the availability of non-regular OPMET information in the AFI Region.	<ul style="list-style-type: none"> • Improved availability of non-regular OPMET information • Improved coordination between ATM, MET and Pilots 	States have been encouraged to organize such meetings as necessary None
Conclusion 18/41 C	Implementation of AMBEX Handbook Procedures	That, Dakar and Pretoria RODB Provider States: a) implement an automatic OPMET data monitoring scheme using procedures in Chapter 12 and Appendix F of the AMBEX Handbook on quarterly basis (March 31, June 30, August, 31 and December 31 of each year); b) perform regular 24 hour simultaneous monitoring starting at 0000 UTC on the first Wednesday of every month; and c) distribute the monitoring statistics to the Chairman of the OPMET Management and the Secretariat with effect from July 2012.	<ul style="list-style-type: none"> • Related AMBEX procedures implemented; • Improved OPMET monitoring • Improved availability of OPMET at AFI aerodromes 	State letter forwarded to concerned Sates Concl. 17/75
Decision 18/42 C	Development of Back Up Procedures for The AFI RODBs	That, a Core Team of experts consisting of Members from Kenya, Madagascar, Senegal, South Africa and ASECNA be established to develop back up procedures for the AFI RODBs.	<ul style="list-style-type: none"> • Related AMBEX procedures implemented; • Improved availability of OPMET at AFI aerodromes 	State letter forwarded to concerned Sates Concl. 17/75, 18/41
Conclusion 18/43 C	Implementation of an AFTN Circuit between Dakar and Pretoria RODBs to Support Back-Up Contingency Capabilities	That Dakar and Pretoria RODBs Provider States, a) investigate the best possible way to implement a backup circuit between the two RODBs for the implementation of the backup procedures between the RODBs, in time for the MTF/4 meeting September 2012 and b) implement reliable telecommunications facilities to support back-up procedures for the AFI RODBs.	<ul style="list-style-type: none"> • Improved OPMET monitoring • Improved availability of OPMET at AFI aerodromes 	State letter forwarded to concerned Sates Concl. 17/75, 18/41, 18/42

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation and Similar subject with Previous Dec/Concl.
Decision 18/44 C	Amendment to the AMBEX Handbook	<p>That,</p> <p>a) <u>Appendices A and B</u> to the AMBEX Handbook be updated by the MET/SG Secretariat to reflect AFTN addresses for the IROGs Bangkok, Jeddah and Rio de Janeiro; and</p> <p>b) the amended AMBEX Handbook given in <u>Appendix 3.6A</u> to this report, be:</p> <p><i>endorsed as the AMBEX Handbook Seventh Edition, Amendment 2; and published by the MET/SG Secretariat by July 2012.</i></p>	<ul style="list-style-type: none"> • Improved OPMET monitoring • Improved availability of OPMET at AFI aerodromes 	<p>State letter forwarded to concerned Sates</p> <p>Concl. 17/75, 18/41, 18/42, 18/43</p>
Conclusion 18/45 C	SIGMET Monitoring and OPMETOPMET Routing Tables	<p>That,</p> <p>a) the two AFI RODB Provider States be invited to monitor the reception of SIGMET information during the regular (twice yearly) EUR Region SIGMET tests and report;</p> <p>b) the two AFI IROGs and ROC Toulouse exchange their routing tables and verify the coherency of these tables; and</p> <p>c) the AFI IROGs be invited to review their current routing tables, the status of OPMET reception, and update the routing tables as necessary.</p>	<ul style="list-style-type: none"> • Improved OPMET monitoring • Improved availability of OPMET at AFI aerodromes 	<p>State letter forwarded to concerned Sates</p> <p>Concl. 17/75, 18/41, 18/42, 18/43, 44,</p>
Conclusion 18/46 C	Implementation of AFI OPMET data catalogue	<p>That, the OPMET data catalogue given in <u>Appendix 3.6B</u> to this report, be expeditiously finalized and implemented by States in the AFI Region.</p>	<ul style="list-style-type: none"> • Improved OPMET monitoring • Improved availability of OPMET at AFI aerodromes 	<p>State letter forwarded to concerned Sates</p> <p>Concl. 17/75, 18/41, 18/42, 18/43, 44, 45</p>
Decision 18/47 C	Amendment to the AFI Regional SIGMET Guide	<p>That, the amendment to the SIGMET Guide given in <u>Appendix 3.6C</u> to this report, is approved as the AFI Regional SIGMET Guide Ninth Edition, Amendment 2.</p>	<ul style="list-style-type: none"> • SIGMET Guide amended to include appropriate changes 	<ul style="list-style-type: none"> • Implemented • None
Conclusion 18/48 C	Measures To Improve The Issuance of SIGMET in the AFI Region	<p>That, the ICAO Dakar and Nairobi Regional offices sensitize meteorological authorities in the AFI Region on the importance of continuous monitoring, by meteorological watch offices (MWOs), of hazardous meteorological conditions that would warrant the issuance of SIGMET information in their respective areas of responsibility.</p>	<ul style="list-style-type: none"> • Meteorological authorities aware of continuous monitoring of hazardous meteorological conditions for aviation 	<p>State letter forwarded to concerned Sates</p> <ul style="list-style-type: none"> • Dec. 18/47

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation and Similar subject with Previous Dec/Concl.
Conclusion 18/49 C	Revision of OPMETOPMET Data Requirements	<p>That:</p> <p>a) information related to the requirements of OPMET data from non-AOP aerodromes as given at Appendix 3.6D to this report, be submitted by ICAO Dakar and Nairobi Regional offices to the concerned States for approval, before amending the AFI FASID MET Table 2A and Annex 1 to the SADIS User Guide (SUG); and</p> <p>b) the non-AOP aerodromes as listed in Appendix 3.6E to this report, be deleted from AFI FASID MET Table 2A.</p>	<ul style="list-style-type: none"> • Updated AFI FASID MET Table 1A • New OPMET requirements included in AFI FASID 	<p>Action completed</p> <p>Concl 17/76</p>
Conclusion 18/50 C	Improvement of OPMET Availability from AFI States Aerodromes	<p>That, efforts be made by the concerned States to improve the availability at Dakar RODB, of the required OPMET information from Accra, Conakry, Freetown, Kano, Kinshasa, Lagos and Luanda.</p>	<ul style="list-style-type: none"> • Improved availability of OPMET from the concerned aerodromes • 	<ul style="list-style-type: none"> • State Letter forwarded to concerned States <p>None</p>
Decision 18/51 C	Preparation of AFI XML Transition Plan	<p>That, the preparation of the AFI XML Transition Plan be deferred until the adoption of Amendment 76 to Annex 3 (July 2013) at the earliest.</p>	<p>postponed</p>	<ul style="list-style-type: none"> • postponed
Conclusion 18/52 C	Issuance and Dissemination of SIGMET	<p>That:</p> <p>a) ICAO Regional offices should make concerted efforts to assist States address shortcomings and difficulties identified;</p> <p>b) the MWO Provider States listed in Appendix 3.6F take the required measures to remove operational shortcomings in SIGMET provision; and</p> <p>c) Roberts field and Kinshasa FIRs MWOs consider bilateral arrangements with adjacent MWOs (i.e. Dakar and Brazzaville MWOs respectively) for the provision of SIGMET information on behalf of the States concerned.</p>	<ul style="list-style-type: none"> • Issuance and dissemination of SIGMET improved • Improved availability of SIGMET at aerodromes and for en-route users 	<ul style="list-style-type: none"> • State Letter forwarded to concerned States <p>Concl. 17/81, 17/82</p>

SPECIAL AFI REGION AIR NAVIGATION MEETING IN 2008 (SP AFI RAN/08)

22) SP RAN(2008) Rec. 6/15	Foster the implementation of SIGMET and QMS in the AFI region	that APIRG adopt the met performance objective: foster the implementation of SIGMET and quality management system(QMS) in the AFI region as contained in the performance framework form at appendix f to the report on agenda item 6	<ul style="list-style-type: none"> • Provision of enhanced safety related MET information to International Civil Aviation 	<p>On going: 2 SIGMET and 2 QMS workshops in 2010. Further actions by APIRG/17 Concl. 17/81 and 17/82</p> <p>None</p>
24) SP RAN(2008) Rec. 6/17	Implementation of terminal area warnings and forecasts, provision of WAFS forecasts and optimization of OPMET data exchanges and training for aeronautical meteorological staff	That APIRG adopt the Performance Objective: Foster the implementation of terminal area warnings and forecasts, provision of world area forecast system (WAFS) forecasts and optimization of OPMET data exchanges as contained in Appendix G to the report on Agenda Item 6.	<ul style="list-style-type: none"> • Terminal area warnings and forecasts, provision of WAFS forecasts implemented • Optimization of OPMET data exchanges • Aeronautical meteorological staff trained 	<ul style="list-style-type: none"> • Implementation of Terminal area warnings and forecasts encouraged during State mission • Provision of WAFS forecasts implemented through SADIS • Difficulties in training MET staff for lack of resources <p>None</p>