

STATUS OF IMPLEMENTATION OF MET RELATED APIRG CONCLUSIONS AND DECISIONS

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
4) APIRG Con. 14/38	Seminars on cost recovery of aeronautical meteorological services	that WMO in co-ordination with ICAO organize seminars on cost recovery of aeronautical meteorological services	Improved MET cost recovery mechanism	Continuous: State letters forwarded to States	<ul style="list-style-type: none"> • Continuous: 4 workshops organized by WMO in coordination with ICAO • To be combined with 14/37
6) MET/SG Con. 6/10 APIRG Con. 14/40	Quality management	That States in the AFI region give priority to implementation of a quality management system (ISO 9000 series of standards) in order to improve meteorological service for international air navigation.	QMS for MET established and implemented	QMS for MET has been established in 13 AFI States and 8 certified among the 13	<ul style="list-style-type: none"> • Continuous: • To be combined with APIRG/16 Conclusion 16/59
12) APIRG Con. 16/49	Training seminar on the use of icing, turbulence and convective clouds forecasts in grib2 code form	That the WAFC London provider State be invited, in coordination with ICAO and WMO to provide training seminars on the use of icing, turbulence and convective clouds forecasts in GRIB code form to states	AFI States forecasters trained in using icing, turbulence and convective clouds forecasts in GRIB code form	<ul style="list-style-type: none"> • Differed for 2013 due to delay in developing icing, turbulence and convective clouds forecasts in GRIB code form, and • Became improbable due to placement of training course on ICAO website in December 2013 	<ul style="list-style-type: none"> • To be replaced by a later of APIRG Conclusion on web based training on icing, turbulence and convective clouds forecasts in GRIB code form • Not to be removed
15) APIRG Con. 16/59	Support to States implement quality	that: WMO in coordination with ICAO continue to assist states in implementing QMS in the form of:	QMS for MET implemented in all AFI States	QMS for MET has been established in 13 AFI States and 8 certified	<ul style="list-style-type: none"> • Continuous: • To be combined with APIRG/14 Conclusion

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
	management systems (QMS)	<p>a) seminars on QMS for the chief executives of meteorological authorities (CEOs) as a priority and request them (CEOs) to report on status of implementation on QMS in their services on a regular basis;</p> <p>b) support for more detailed training for personnel who would act as a core group in the region (training of trainers);</p> <p>c) attachments of staff from the region to states that have already adopted QMS through VCP or otherwise; and</p> <p>d) financial resources for engaging consultancy services during the initial stages of implementation.</p>		among the 13	<p>14/40</p> <ul style="list-style-type: none"> •
27) 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 RODB 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</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) One MWO (Robertsfield) is yet to fully comply with the requirements of the SIGMET preparation and dissemination</p> <p>c) Additional SIGMET training conducted in 2012</p> <p>d) AFI SIGMET Guide</p>	<p>a) Implemented every year since 2008</p> <p>b) Not yet implemented</p> <p>c) Completed</p> <p>d) Not yet implemented</p> <p>e) Not yet implemented</p>

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
		<p>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>		<p>to be 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>	
31) APIRG/17 Concl. 17/102	Training of meteorological offices personnel for the implementation of quality management system (QMS) and issuance of SIGMETs under ACIP.	<p>That, the following programmes be accorded high priority in ACIP;</p> <p>a) Selected aeronautical MET personnel be trained as trainers in Quality Management System (QMS); and</p> <p>b) Meteorological Watch Offices (MWOs) personnel be provided with additional training in the preparation and issuance of SIGMETs.</p> <p><i>Note: Report on Tactical Action Group (TAG) Activities</i></p>	Meteorological offices personnel trained for the implementation of quality management system (QMS) and issuance of SIGMETs under ACIP.	Submitted to ACIP. Not implemented for lack of funds,	Not implemented
32) Conclusion 18/39	Receiving WAFS Products and Related OPMET Information Through SADIS	<p>That, the following five States in the AFI region: Burundi, Eritrea, Liberia, Sao Tome and Principe and Sierra Leone which have not yet implemented SADIS, endeavor to address this deficiency in accordance with Conclusion 10/31 of the APIRG/10 meeting as a matter of urgency.</p>	Deficiency in accordance with Conclusion 10/31 of the APIRG/10 meeting removed by Burundi, Eritrea, Liberia, Sao Tome and Principe and Sierra Leone	State Letter forwarded to the concerned States but no feedback received	<ul style="list-style-type: none"> • Not implemented •
34) Conclusion	Implementation of AMBEX	That, Dakar and Pretoria RODB Provider States:	a) Related AMBEX		Implementation of item b) and

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
18/41 C	Handbook Procedures	<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 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>	<p>procedures implemented;</p> <p>b) Improved OPMET monitoring</p> <p>c) Improved availability of OPMET at AFI aerodromes</p>	<p>Not entirely implemented by RODBs, item b) and c) still remain</p>	<p>c) awaited</p>
35) Decision 18/42 C	Development of Back Up Procedures for The AFI RODBs	<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>	<p>a) Related AMBEX procedures implemented;</p> <p>b) Improved availability of OPMET at AFI aerodromes</p>	<p>A Core team of Experts still working on the issue.</p> <p>Procedures developed but not yet implemented</p>	<p>Developed but not yet implemented</p>
37) 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>a) Improved OPMET monitoring</p> <p>b) Improved availability of OPMET at AFI aerodromes</p>	<ul style="list-style-type: none"> • New Amendments planned to be completed in October 2013; 	<p>AMBEX Handbook Seventh Edition, Amendment 2 placed on the website</p> <p>New amendments introduced by new developments in OPMET exchange</p> <ul style="list-style-type: none"> •

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
		<ul style="list-style-type: none"> ✓ endorsed as the AMBEX Handbook Seventh Edition, Amendment 2; and ✓ published by the MET/SG Secretariat by July 2012. 			
38) Conclusion 18/45 C	SIGMET Monitoring and OPMET Routing Tables	<p>That,</p> <ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> a) Improved OPMET monitoring including SIGMET b) Improved availability of OPMET at AFI aerodromes 	<ul style="list-style-type: none"> • Only item a) is implemented • To be completed in 2014; 	Items b) and c) to be implemented by December 2014
40) Decision 18/47 C	Amendment to the AFI Regional SIGMET Guide	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.	<ul style="list-style-type: none"> • SIGMET Guide amended to include appropriate changes 	To be finalized by October 2013	To be finalized by October 2013
43) Conclusion 18/50 C	Improvement of OPMET Availability from AFI States Aerodromes	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.	<ul style="list-style-type: none"> • Improved availability of OPMET from the concerned aerodromes • 	<ul style="list-style-type: none"> • Improved OPMET availability from Accra, Kano, Kinshasa and Lagos. But Conakry, Freetown, Luanda and now Monrovia 	<ul style="list-style-type: none"> • To be reformulated for Conakry, Freetown, Luanda and Monrovia •

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
45) 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 	<p>still a challenge</p> <ul style="list-style-type: none"> • Kinshasa MWO has started issuing SIGMET from 13 September 2012 but Robertsfield MWO is not yet established 	<ul style="list-style-type: none"> • To be combined with Conclusions 17/81, 17/82, 18/45, 18/48 and 18/57
46) Conclusion 18/53	Awareness Seminars on the AFI Air Traffic Management Volcanic Ash Contingency Plan	<p>That ICAO Dakar and Nairobi Regional Offices through the ATM/MET Task Force, conduct regional awareness seminars on the AFI ATM Volcanic Ash Contingency Plan in view of:</p> <p>a) Making all aviation stockholders in the AFI region aware of ATM VACP;</p> <p>b) Supporting its implementation; and</p> <p>c) Proposing further improvements to the plan.</p> <p><i>Note: It is suggested that seminars be convened in 2013 and conducted in both English and French.</i></p>	Regional awareness seminars on the AFI ATM Volcanic Ash Contingency Plan, conducted	Seminars postponed for 1 st quarter 2014	<ul style="list-style-type: none"> • Postponed for 2014

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
47) Conclusion 18/54	Alternative Funding Sources for the Establishment and Implementation of QMS for the Provision of Aeronautical Meteorological Service and Aeronautical Information Management (AIM)	That ICAO and WMO investigate as a matter of urgency other possible sources of funding besides cost recovery to assist States willing to enter into a twinning or bilateral arrangements in order to fast-track the implementation of QMS for the provision of aeronautical meteorological (MET) service and aeronautical information management (AIM) .	QMS for MET and AIM implemented	Not implemented, alternative funding source not yet identified	<ul style="list-style-type: none"> • May be combined with Conclusions 16/59, 17/102 and SP RAN 6/16
48) Conclusion 18/55	States Participation in the Cooperative Programme for Operational Meteorology (COMET) Through Safe Skies For Africa (SSFA) Programme	That States requiring aeronautical meteorology training material from SSFA in collaboration with COMET to contact the ICAO Regional Offices as appropriate.	States' MET forecasters trained using SSFA COMET tools	State Letter distributed but no feedback received	<ul style="list-style-type: none"> • Continuing providing information until December 2013 •
SPECIAL AFI REGION AIR NAVIGATION MEETING IN 2008 (SP AFI RAN/08)					
51) SP RAN(2008) Rec. 6/16	Technical and financial support for the implementation of	that ICAO identify potential sources of technical and financial support for States for the implementation of	Technical and financial support obtained for States for the implementation of	Not entirely implemented, some trainings provided under	<ul style="list-style-type: none"> • Further actions recommended by Concl. 17/102 of APIRG/17

Cons/ Decs No. Strategic Objectives*	Title of Cons/Decs	Text of Cons/Decs	Deliverables/ Intended Outcome	Status of implementation.	Characteristics: Implemented/Obsolete/Matur e/Covered in SARPS or RANP/Redundant
	quality management systems in the AFI region	quality management systems(QMS) in meteorology	QMS for MET	local budget	•