

**APPENDIX 2.6C: AFI REGIONAL PERFORMANCE FRAMEWORK FORMS (PFFs)**

<b>B0-AMET PFF-1: FOSTER THE IMPLEMENTATION OF SIGMET AND QMS IN THE AFI REGION</b>				
<b>Benefits</b>				
<b>Environment</b>	<ul style="list-style-type: none"> <li>• contribution in the reduction in fuel consumption through optimized departure and arrival/ scheduling resulting in CO2 emissions reductions</li> </ul>			
<b>Efficiency</b>	<ul style="list-style-type: none"> <li>• Harmonize arriving and departing air traffic will translate to eliminate or minimize holding times and thus reduce fuel burn</li> </ul>			
<b>Safety</b>	<ul style="list-style-type: none"> <li>• improvement of efficiency of meteorological services to aircraft in flight</li> </ul>			
	<ul style="list-style-type: none"> <li>• ensure timely preparation and provision to airlines of aviation warnings for en-route meteorological hazards</li> </ul>			
	<ul style="list-style-type: none"> <li>• ensure quality and timely provision of meteorological data for air navigation services through the quality management system (QMS) implementation</li> </ul>			
	<ul style="list-style-type: none"> <li>• minimize encounters by aircraft of hazardous meteorological conditions</li> </ul>			
<b>Strategy</b>				
<b>ATM OC COMPONENTS</b>	<b>TASKS</b>	<b>TIMEFRAME START-END</b>	<b>RESPONSIBILITY</b>	<b>STATUS</b>
<b>AOM, DCB, AO, TS, AUO</b>	<b>SIGMET</b>			
<b>AOM, DCB, AO, TS, AUO</b>	a) assessment on the current level of implementation through periodic SIGMET trials in the AFI Region	2014 - 2015		Valid
	b) establishment of an updated list of States not compliant with SIGMET format	2014 - 2016	ICAO/WMO, States	
	c) provision of details guidance to States not issuing SIGMET as required	2016		
	d) Establishment of an implementation project in terms of seminars through special implementation projects (SIPs) and Safety Fund-ICAO (SAFE) for Aviation Safety (IFFAS) projects for States not meeting their obligation	2015 – 2017	ICAO/WMO	
	<b>QMS</b>			
<b>AOM, DCB, AO, TS, AUO</b>	e) establishment of an updated list of States not implementing or partially implementing the QMS	2015		Valid
	f) Enhance the training of MET personnel in States that have not implemented QMS	2015 – 2017	ICAO/WMO, States	
	g) States to be encouraged to institute mechanism for cost recovery to support QMS maintenance	2015		

	h) Establishment of an implementation project in terms of seminars and consultancy services through projects during the initial stages of QMS implementation for States	2015 – 2017	ICAO/WMO	
<b>Removal of Air Navigation Deficiencies in the MET Field</b>				
<b>AOM, DCB, AO, TS, AUO</b>	i) Assess and confirm the current air navigation deficiencies in the MET field through State Letters and surveys in the concerned States	2015	ICAO	Valid
	j) Visit the remaining AFI States not listed and establish an updated list of MET deficiencies	2015-2016	ICAO	Valid
	k) Conduct specific training workshops in French and English to assist States concerned to address deficiencies related to the implementation of the AMBEX scheme and provide further advice and awareness	2015-2018	ICAO	
	l) establishment of an updated list of deficiencies of States not compliant with SIGMET format	2014 - 2016	ICAO/WMO, States	
	m) Establish an action plan to assist concerned States in their effort to remove long lasting MET deficiencies	2016-2018	ICAO	Valid
	n) Establishment of an implementation project in terms of State missions through special implementation projects (SIPs) and Safety Fund-ICAO (SAFE) for Aviation Safety (IFFAS) projects for States not meeting their obligation	2016-2018	ICAO/WMO	Valid
<b>Transition to Aeronautical Meteorological Information in the Future SWIM-Enabled Environment in the AFI Region</b>				
<b>AOM, DCB, AO, TS, AUO</b>	o) Encourage AFI regional OPMET Databanks (RODBs) in Dakar and Pretoria, to continue to develop capability of handling OPMET data in digital format (XML/GML), test XML/GML codes, take a leading role over the	2015-2016	ICAO/WMO	Valid

	transition aspect to XML/GML and provide technical assistance as required to other AFI States			
	p) ICAO in coordination with WMO and AFI RODBs Dakar/Pretoria Provider States start assisting AFI States in developing capability of handling OPMET data in digital format	2016-2017	ICAO/States	Valid
	q) AFI States start progressive implementation of XML/GML-based exchange format for METAR, SPECI, TREND, TAF and SIGMET in accordance with Amendment 77 to ICAO Annex 3	2016-2018	States	Valid
	r) Establishment of an implementation project in terms of training workshops and State missions through special implementation projects (SIPs) and Safety Fund-ICAO (SAFE) for Aviation Safety (IFFAS) projects for States not meeting their obligation	2016-2018	ICAO/WMO	Valid
<b>Linkage to GPIs</b>	GPI/19: Meteorological systems			

**APPENDIX 2.6C: AFI REGIONAL PERFORMANCE FRAMEWORK FORMS (PFFs)**

<b>B0-AMET PFF-2: FOSTER THE IMPLEMENTATION OF TERMINAL AREA WARNINGS AND FORECASTS, PROVISION OF WAFS FORECASTS AND OPTIMIZATION OF OPMET DATA EXCHANGES IN THE AFI REGION</b>				
<b>Benefits</b>				
<b>Environment</b>	<ul style="list-style-type: none"> <li>contribution in the reduction in fuel consumption; the benefits will lead to reduction in greenhouse gases</li> </ul>			
<b>Efficiency</b>	<ul style="list-style-type: none"> <li>improvement of efficiency in meteorological services to aircraft in flight</li> <li>ensure timely preparation and provision to airlines of aviation warnings for terminal area meteorological hazards</li> </ul>			
	<ul style="list-style-type: none"> <li>improvement in the efficiency of flight planning by airlines taking into account prevailing and expected meteorological conditions along the route based on WAFS forecasts</li> </ul>			
<b>Safety</b>	<ul style="list-style-type: none"> <li>minimize encounters by aircraft of hazardous meteorological conditions</li> </ul>			
<b>Strategy</b>				
<b>Short term (2010-2012) : Medium term (2012 - 2016)</b>				
<b>ATM OC COMPONENTS</b>	<b>TASKS</b>	<b>TIMEFRAME START-END</b>	<b>RESPONSIBILITY</b>	<b>STATUS</b>
<b>Terminal area warnings and forecasts</b>				
<b>AOM, DCB, AO, TS, AUO</b>	a) Assessment of the current level of implementation of facilities at aerodromes for monitoring hazardous meteorological conditions	2015- 2016	States/ICAO/WMO	Valid
	b) Provision of details guidance to States not issuing terminal area warnings and forecasts	2015	ICAO/WMO	
	c) Implementations of aerodrome warnings, wind shear warnings/alerts and water thickness on the runway to support runway safety plans	2015-2018	ICAO	
	d) Establishment of an implementation project in terms of seminars and consultancy services through special implementation projects (SIP) and Safety Fund-ICAO projects respectively for States not meeting their obligation	2015-2017	States	
<b>World area forecast system (WAFS) and International Airways Volcano Watch (IAVW)</b>				
	e) Conduct training seminars in French and English on new WAFS gridded forecasts	2014-2015	ICAO/WMO	Valid
	f) Establishment of an updated list of States not receiving WAFS products and areas of constraints	2015 - 2017	ICAO	Valid

	g) in implementing SADIS VSAT and FTP service and States concerned to develop remedial action plans			
	h) Conduct in coordination with the concerned ATM Project Team, awareness seminars on the implementation of AFI Volcanic Ash Contingency Plan (VACP)	2015	ICAO/States	Valid
	i) Establishment of an updated list of States with active volcanos not implementing IAVW (volcano observatories and VONA) and urge States concerned to develop remedial action plans	2016	ICAO/States	Valid
	j) Establishment of an implementation project in terms of seminars and consultancy services through SIPs and Safety Fund projects respectively	2015 - 2018	ICAO/WMO, States	Valid
<b>Optimization and implementation of the AFI OPMET data Exchange (AMBEX) scheme</b>				
<b>AOM, DCB, AO, TS, AUO</b>	j) Undertake an assessment of the availability and quality of OPMET data in the region and States not meeting the required levels of implementation to develop remedial action plans	2015-Dec 2018	ICAO/WMO, States	Valid
	k) Two seminars in French and English on AMBEX and OPMET AFI data banks procedures	2014-2016	ICAO	Valid
	l) Establishment of an implementation project in terms of seminars and consultancy services through SIPs and Safety Fund-ICAO (SAFE) projects respectively obligation	2015-2018	<b>ICAO</b>	Valid
<b>Linkage to GPIs</b>	GPI/19: Meteorological systems			