



**DOMAIN : IIM** (Infrastructure & Information Management)

**MET PROJECT 2: Provision of meteorological information in the ICAO Meteorological Information Exchange Model (IWXXM) format**

**Coordinator: Senegal**

AFI Region	Project Description	Start	End
Programme	Title of the Project		
<p><i>Aeronautical Meteorology</i></p> <p><b>Project Facilitators:</b></p> <p>ICAO Regional Officer, MET, Dakar &amp; Nairobi</p>	<p><b>Provision of meteorological information in the ICAO Meteorological Information Exchange Model (IWXXM) format</b></p> <p><b>MET Project 2 Team:</b></p> <ul style="list-style-type: none"> <li>• 1 Project-Team Coordinator: South Africa</li> <li>• 17 Experts contributing to the Project 1- Botswana, South Africa, Niger, Nigeria, Togo, Uganda, Ethiopia, Mauritania, Kenya, Ghana, IATA, ASECNA, Côte d'Ivoire, WMO, IFALPA, Senegal, Tanzania</li> </ul>	2023	2024
Objective	<p>Assist States in</p> <ol style="list-style-type: none"> <li>reviewing and conducting gap analysis between their National ASBU Plans and the Regional Air Navigation Plan.</li> <li>updating their National Plans to integrate ASBU elements applicable in their area.</li> <li>Implementing of State ASBU implementation action plan.</li> <li>transitioning from current aeronautical meteorological information to the future SWIM-enabled environment in the AFI region by assisting AFI States to progressively develop capability of handling OPMET data in digital format (XML/GML) and to start using XML/GML codes in operational environment by 2024</li> </ol>		
Scope	<p>The Project will benefit all AFI States and interested Organizations and will cover the implementation of the following MET ASBU elements.</p> <ul style="list-style-type: none"> <li>• AMET-B1/1 Meteorological observations information</li> <li>• AMET-B1/2 Meteorological forecast and warning information</li> <li>• AMET-B1/3 Climatological and historical meteorological information</li> <li>• AMET-B1/4 Dissemination of meteorological information</li> </ul>		

<p>Metrics</p>	<p>The progress of the Project will be monitored through the evaluation of the implementation status using the following metrics.</p> <ul style="list-style-type: none"> <li>• Metric 1 : % of States with AMET-B1/1 implemented by December 2024</li> <li>• Metric 2 : % of States with AMET-B1/2 implemented by December 2024</li> <li>• Metric 3 : % of States with AMET-B1/3 implemented by December 2024</li> <li>• Metric 4 : % of States with AMET-B1/4 implemented by December 2024</li> </ul>				
<p>Strategy</p>	<ul style="list-style-type: none"> <li>• <b>Coordination of the project:</b> The coordination of the project will be carried out by the Project Team Coordinator State.</li> <li>• <b>Implementation of the Project activities:</b> Each member of the project team will be assigned specific task to be achieved as per the project wok plan.</li> <li>• <b>Supporting experts:</b> Project team members will be supported by State National Coordinator for planning and implementation (NCPI) and Sate technical Focal Point (TFP) in MET.</li> <li>• <b>Facilitation:</b> Project Facilitators (ROs/MET, Dakar and Nairobi).</li> <li>• <b>Reporting on the project implementation:</b> Project-Team Coordinator, upon completion of the tasks, the results will be sent to the Project Facilitators as a final document for submission to the IIM_SG, and approval by the APIRG Projects Coordination Committee (APCC).</li> </ul>				
<p>Rationale</p>	<ul style="list-style-type: none"> <li>a) Low level of implementation of AMET-B1 applicable element in the region.</li> <li>b) Annex 3 to Chicago Convention requires for the provision of space weather advisory information as of 5 November 2020 in IWXXM GML form, in addition to the dissemination of this advisory information in abbreviated plain language.</li> <li>c) Alignment of the project’s references with the groups, threads, elements of ASBU modules introduced by the 6<sup>th</sup> edition of the GANP and applicable to the AFI region in MET area.</li> </ul>				
<p>Targets</p>	<p>Metric</p>	<p>Baseline (2022)</p>	<p>Milestone, 2023</p>	<p>Target, 2024</p>	<p>Comments</p>
	<p>Metric 1</p>	<p>5%</p>	<p>30%</p>	<p>80%</p>	
	<p>Metric 2</p>	<p>5%</p>	<p>30%</p>	<p>80%</p>	
	<p>Metric 3</p>	<p>5%</p>	<p>30%</p>	<p>80%</p>	
	<p>Metric 4</p>	<p>5%</p>	<p>30%</p>	<p>80%</p>	
<p>Status at the End of Project</p>	<ul style="list-style-type: none"> <li>a) 80% of States with AMET-B1/1, AMET-B1/2, AMET-B1/3 and AMET-B1/4 implemented</li> <li>b) The reporting on the Project implementation is consistently achieved.</li> </ul>				

<p>Related projects</p>	<p>All APIRG specifically projects related to:</p> <ul style="list-style-type: none"> <li>• <b>AMET-B0</b> <i>Provision of global, regional and local meteorological products/Information</i></li> <li>• <b>COMI-B0/7</b> - ATS Message Handling System (AMHS)</li> <li>• <b>COMI-B0/1</b> - Aircraft Communication Addressing and Reporting System (ACARS)</li> <li>• <b>ASUR-B0/3</b> - Cooperative Surveillance Radar Downlink of Aircraft Parameters (SSR-DAPS)</li> <li>• <b>DAIM-B1/1</b> - Provision of quality-assured aeronautical data and information</li> <li>• <b>DAIM-B1/2</b> - Provision of digital Aeronautical Information Publication (AIP) data sets</li> </ul>
-------------------------	---

Activity #	Activity Name	Beneficiary States	Actors	Duration (in days)	Start	Finish
	<i>Implementation of MET Project 2</i>			<b>670</b>	<i>2-Jan. -23</i>	<b>31-Dec. -24</b>
<b>1.1</b>	<i>Overall Coordination of the Project</i>					
1.1.0	IIM/SG Quarterly PTCs' Coordination Meeting and quarterly report on the implementation of Project activities	AFI States	<ul style="list-style-type: none"> <li>Chair</li> <li>Supported by Vice-Chair and PTCs</li> </ul>	<b>670</b>	Q1 2023	Q4 2024
<b>1.2</b>	<i>Status of implementation ASBU elements, Gaps analysis and development implementation Action Plan</i>	<b>AFI States</b>		<i>136</i>	1-Apr.-23	15-Aug-23
1.2.1	Assess the status of implementation of the AMET-B1/1, AMET-B1/2, AMET-B1/3 and AMET-1/4	AFI States	<ul style="list-style-type: none"> <li>Project Team Expert (PTE)</li> <li>Support from State TFP in MET</li> </ul>	29	1-Apr.-23	30-Apr.-23
1.2.2	Perform the ASBU gaps analysis and establish priorities	AFI States	<ul style="list-style-type: none"> <li>Project Team Expert (PTE)</li> <li>State TFP in MET</li> </ul>	30	1-May-23	31-May-23
1.2.3	Produce the report of the ASBU gaps analysis	AFI States	<ul style="list-style-type: none"> <li>PTC</li> <li>PTEs</li> </ul>	14	1-June-23	15-June-23
1.2.4	Develop Action Plan for prioritized States that need assistance to address the deficiencies identified upon the gaps analysis	Prioritized States	State (With the support of PTEs)	30	15-June-23	15-Jul.-23
1.2.5	Review and approve Action Plan to guide its implementation by State with support of PTEs	Prioritized States	PTC	30	16-Jul.-23	15-Aug-23

<b>1.3</b>	<b><i>Monitoring the and assist State in the Implementation of State Action Plan</i></b>			504	15-Aug-23	31-Dec.-24
1.3.1	Task PTEs to assist prioritized beneficiary States as needed through workshops, trainings, guidance material, operational procedures, etc.,	Prioritized States	PTC	16	15-Aug-23	31-Aug-23
1.3.2	Provide assistance to States as needed through workshops, trainings, development of guidance material, operational procedures, etc.	Prioritized States	Tasked PTEs	487	1-Sep.-23	31-Dec.-24
1.3.3	Coordinate the assistance activities conducted by PTEs	Prioritized States	PTC	487	1-Sep.-23	31-Dec.-24
	Provide monthly report to the PTC on the implementation of the activities of assistance to States	States assisted	PTEs	487	1-Sep.-23	31-Dec.-24
1.3.4	Provide quarterly and annual Report on the progress of the Project activities	States assisted	PTC	487	30-March. -23	31-Dec.-24
<b>1.4</b>	<b><i>Project Exit Wrap up</i></b>			30	1-Dec.-24	31-Dec.-24
1.4.1	Review the Project achievements and failures	Prioritized beneficiary States	PTC	30	1-Dec.-24	31-Dec.-24
1.4.2	Document the lessons learnt and formulate recommendations for improvement	Prioritized beneficiary States	PTC	30	1-Dec.-24	31-Dec.-24
1.4.3	Present the termination report to the IIM/SG	Prioritized beneficiary States	PTC	30	1-Dec.-24	31-Dec.-24