



ICAO

## APIRG INFRASTRUCTURE AND INFORMATION MANAGEMENT

AFI Region Programme	Project Description (DP) Title of the Project	DP ref.: IIM MET Project	
		Start	End
Aeronautical Meteorology  <b>Project Facilitators:</b>  ICAO Regional Officer, MET, Dakar & Nairobi	<b>Mitigation of the deficiencies related to the availability of the OPMET data in the AFI region</b>  <b>MET Project 5 Team:</b> <ul style="list-style-type: none"> <li>• <b>Project-Team Coordinator: TBD</b></li> <li>• <b>Experts contributing to the Project 5: TBD</b></li> </ul>	1/12/2022	31/12/2024
Objective	Assist States in <ul style="list-style-type: none"> <li>a) Improving the availability of OPMET data to end-users in the AFI region</li> <li>b) Providing timely, accurately and quality OPMET data to airspace users</li> <li>a) the implementation of the OPMET-related SARPs in Annex 3 and Annex 10, and the relevant provisions of the ICAO Air Navigation Plan (ANP) for the AFI Region in a highly efficient and standardized way.</li> </ul>		
Scope	AMBEX Scheme : <ul style="list-style-type: none"> <li>• AMBEX collecting and disseminating centres (AMBEX centres)</li> <li>• Regional OPMET data banks (RODBs)</li> <li>• Inter-regional OPMET gateways (IROGs)</li> <li>• Bulletin Compiling Centres (BCCs)</li> </ul> To ensure seamless global exchange of the required OPMET information, the AMBEX Scheme should be developed in compliance with similar structures in the other ICAO regions, as well as with the aeronautical fixed system (AFS) satellite distribution systems used to disseminate OPMET data.		
Metrics	<ul style="list-style-type: none"> <li>• Percentage of States with the rate of availability of the OPMET data to end-users <math>\geq</math> 97%</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.</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), Sate technical Focal Point (TFP) in MET, Experts from industry and the ANSPs.</li> <li>• <b>Facilitation:</b> By the Ros in charge of MET, Dakar, and Nairobi.</li> <li>• <b>Reporting on the project implementation:</b> Project-Team Coordinator, upon completion of the tasks, will monthly, quarterly, and annual reports on the Project achievements</li> </ul>				
<p>Rationale</p>	<ul style="list-style-type: none"> <li>a) Low level of availability of OPMET data to end-users in numbers of aerodromes of some States of the AFI region ranging from 0% et 50%.</li> <li>b) Issues related to the missing of OPMET data in the region</li> <li>c) Lack of competency on the application of Annex 10 Volume II Procedures</li> <li>d) Lack of collaboration between the Collection centers, the BCCs and RODBs, Meteorological Service Providers (MSP), Air Navigation Service Providers (ANSP), Regulators and other Stakeholders</li> <li>e) Limited of Meteorological Services to develop capacity to adequately exchange OPMET data</li> <li>f) f) Lack of up-to-date procedures for the exchange of OPMET data information</li> </ul>				
<p>Targets</p>	<p>Metric</p>	<p>Baseline (2022)</p>	<p>Milestone, 2023</p>	<p>Target, 2024</p>	<p>Comments</p>
	<p>Percentage of States with the rate of availability of the OPMET data to end-users <math>\geq 97\%</math></p>	<p><math>0\% \leq AR &lt; 50\%</math></p> <p>AR = Availability Rate</p>	<p><math>60\% \leq AR &lt; 80\%</math></p>	<p>AR <math>\geq 97\%</math></p>	
<p>Status at the End of Project</p>	<p>100% of States with AR <math>\geq 97\%</math></p>				
<p>Related projects</p>	<ul style="list-style-type: none"> <li>• IIM MET Project 1</li> <li>• IIM MET Project 2</li> <li>• All APIRG specifically projects related to: <ul style="list-style-type: none"> <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> </li> </ul>				

Activity #	Activity Name	Beneficiary States	Actors	Duration (in days)	Start	Finish
	<i>Implementation of MET Project 5</i>			<b>700</b>	<b>1-Dec.-22</b>	<b>31-Dec. -24</b>
<b>1.1</b>	<i>Coordination of the Project and implementation guidance material</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 PTC</li> </ul>	<b>700</b>	Q1 2023	Q4 2024
1.1.1	Establishment of the Project Team and designation of the Project Team Coordinator	AFI States	<ul style="list-style-type: none"> <li>ICAO</li> </ul>	30	1-Dec.-22	31-Dec.-22
1.1.2	Training of the Project Team Members on the Project methodology and expected outcomes	Project Team Experts (PTEs)	<ul style="list-style-type: none"> <li>PTC</li> </ul>	5	2-Jan.-23	6-Jan.-23
1.1.3	Review/update/development of project implementation guidance material	Project Team Experts (PTEs)	<ul style="list-style-type: none"> <li>PTC</li> <li>PTEs</li> </ul>	58	1-Feb.-23	31-March-23
<b>1.2</b>	<i>Assess level of availability of OPMET data, State system using for data exchange, staff competency and development implementation Action Plan</i>	<b>AFI States</b>		<i>136</i>	1-Apr.-23	15-Aug-23
1.2.1	Assess the level of availability of OPMET data in region, including the assessment of the AMBEX Scheme.	AFI States	<ul style="list-style-type: none"> <li>Project Team Expert (PTE)</li> <li>Support from State TFP</li> <li>Support experts from industry and ANSPs</li> </ul>	29	1-Apr.-23	30-Apr.-23

1.2.2	Categorize States in accordance with the level of availability of OPMET data to the end-users	AFI States	<ul style="list-style-type: none"> <li>• PTC</li> <li>• Project Team Expert (PTE)</li> </ul>	30	1-May-23	31-May-23
1.2.3	Assess the States systems using for the exchange of meteorological information and document the resulting identified deficiencies.	AFI States	<ul style="list-style-type: none"> <li>• PTC</li> <li>• PTEs</li> </ul>	30	1-June-23	30-June-23
	Assess staff competencies on the implementation of the Annex 10 Volume II and Annex 3 requirements	AFI States	<ul style="list-style-type: none"> <li>• PTC</li> <li>• PTEs</li> </ul>	30	1-July-23	30-July-23
1.2.4	Develop Action Plan to address the deficiencies identified upon the categorization and the assessment process	AFI States	State PTEs	30	1-Aug-23	30-Aug.-23
1.2.5	Review and approve Action Plan to guide its implementation by State with support of PTEs	AFI States	PTC	30	1-Sep.-23	30-Sep-23
<b>1.3</b>	<b><i>Monitoring the and assist State in the Implementation of State Action Plan</i></b>			<i>444</i>	<i>1-Oct-23</i>	<i>31-Dec.-24</i>
1.3.1	Task PTEs to assist beneficiary States as needed through	AFI States	PTC	15	1-Oct-23	15-Oct.-23
1.3.2	Provide assistance to States as needed through workshops, trainings, development of guidance material, operational procedures, etc.	AFI States	Tasked PTEs	425	1-Nov.-23	31-Dec.-24
1.3.3	Coordinate the assistance activities conducted by PTEs	AFI States	PTC	425	1-Sep.-23	31-Dec.-24
	Provide monthly report to the PTC on the accomplishments	AFI States	PTEs	700	1-Dec.-22	31-Dec.-24

1.3.4	Provide quarterly and annual Report on the progress of the Project activities	States assisted	PTC	700	Q1 2023	Q4 2024
<b>1.4</b>	<b><i>Project Exit Wrap up</i></b>			<i>30</i>	<i>1-Dec.-24</i>	<i>31-Dec.-24</i>
1.4.1	Review the Project achievements and failures	Beneficiary States	PTC	30	1-Dec.-24	31-Dec.-24
1.4.2	Document the lessons learnt and formulate recommendations for improvement	Beneficiary States	PTC	30	1-Dec.-24	31-Dec.-24
1.4.3	Present the termination report to the IIM/SG	Beneficiary States	PTC	30	1-Dec.-24	31-Dec.-24