



ICAO

APIRG INFRASTRUCTURE AND INFORMATION MANAGEMENT

AFI Region	Project Description (DP)	DP ref.: IIM MET Project 2	
Programme	Title of the Project	Start	End
<p><i>Aeronautical Meteorology</i></p> <p>Project Facilitators:</p> <p>ICAO Regional Officer, MET, Dakar & Nairobi</p>	<p>Provision of meteorological information in the ICAO Meteorological Information Exchange Model (IWXXM) format</p> <p>MET Project 2 Team:</p> <ul style="list-style-type: none"> • Project-Team Coordinator: Senegal • Experts contributing to the Project 2: South Africa, Guinea, Cameroon, Côte d'Ivoire Liberia RFIR, Kenya, Niger, Uganda, WMO, Nigeria, ASECNA, IATA 	1/12/2022	31/12/2024
Objective	<p>Assist States in</p> <ol style="list-style-type: none"> reviewing and conducting gap analysis between their National ASBU Plans and the Regional Air Navigation Plan. updating their National Plans to integrate ASBU elements applicable in their area. Implementing of State ASBU implementation action plan. 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 		
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"> • AMET-B1/1 Meteorological observations information • AMET-B1/2 Meteorological forecast and warning information • AMET-B1/3 Climatological and historical meteorological information • AMET-B1/4 Dissemination of meteorological information 		

<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"> • Metric 1 : % of States with AMET-B1/1 implemented by December 2024 • Metric 2 : % of States with AMET-B1/2 implemented by December 2024 • Metric 3 : % of States with AMET-B1/3 implemented by December 2024 • Metric 4 : % of States with AMET-B1/4 implemented by December 2024 																									
<p>Strategy</p>	<ul style="list-style-type: none"> • Coordination of the project: The coordination of the project will be carried out by the Project Team Coordinator State. • Implementation of the Project activities: Each member of the project team will be assigned specific task to be achieved as per the project wok plan. • Supporting experts: Project team members will be supported by State National Coordinator for planning and implementation (NCPI) and Sate technical Focal Point (TFP) in MET, Experts from the industry and the ANSPs. • Facilitation: Project Facilitators (ROs/MET, Dakar and Nairobi). • Reporting on the project implementation: Project-Team Coordinator, upon completion of the tasks, will provide monthly, quarterly and annual reports on the Project achievements 																									
<p>Rationale</p>	<ul style="list-style-type: none"> a) Low level of implementation of AMET-B1 applicable element in the region. 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. c) Alignment of the project’s references with the groups, threads, elements of ASBU modules introduced by the 6th edition of the GANP and applicable to the AFI region in MET area. 																									
<p>Targets</p>	<table border="1"> <thead> <tr> <th>Metric</th> <th>Baseline (2022)</th> <th>Milestone, 2023</th> <th>Target, 2024</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>Metric 1</td> <td>5%</td> <td>30%</td> <td>80%</td> <td></td> </tr> <tr> <td>Metric 2</td> <td>5%</td> <td>30%</td> <td>80%</td> <td></td> </tr> <tr> <td>Metric 3</td> <td>5%</td> <td>30%</td> <td>80%</td> <td></td> </tr> <tr> <td>Metric 4</td> <td>5%</td> <td>30%</td> <td>80%</td> <td></td> </tr> </tbody> </table>	Metric	Baseline (2022)	Milestone, 2023	Target, 2024	Comments	Metric 1	5%	30%	80%		Metric 2	5%	30%	80%		Metric 3	5%	30%	80%		Metric 4	5%	30%	80%	
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<p>Status at the End of Project</p>	<ul style="list-style-type: none"> a) 80% of States with AMET-B1/1, AMET-B1/2, AMET-B1/3 and AMET-B1/4 implemented b) The reporting on the Project implementation is consistently achieved. 																									

<p>Related projects</p>	<p>All APIRG specifically projects related to:</p> <ul style="list-style-type: none"> • AMET-B0 <i>Provision of global, regional, and local meteorological products/Information</i> • COMI-B0/7 - ATS Message Handling System (AMHS) • COMI-B0/1 - Aircraft Communication Addressing and Reporting System (ACARS) • ASUR-B0/3 - Cooperative Surveillance Radar Downlink of Aircraft Parameters (SSR-DAPS) • DAIM-B1/1 - Provision of quality-assured aeronautical data and information • DAIM-B1/2 - Provision of digital Aeronautical Information Publication (AIP) data sets
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Activity #	Activity Name	Beneficiary States /Bodies	Actors	Duration (in days)	Start	Finish
	<i>Implementation of MET Project 2</i>			700	1-Dec. -22	31-Dec. -24
1.1	<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"> Chair Supported by Vice-Chair and PTC 	700	Q1 2023	Q4 2024
1.1.1	Confirm MET Project membership and encourage identified competent experts from States and Industry to joint the team	AFI States	<ul style="list-style-type: none"> ICAO 	30	1-Dec.-22	31-Dec.-22
1.1.2	Update meeting on the Project methodology and expected outcomes	Project Team Experts (PTEs)	<ul style="list-style-type: none"> PTC PTEs 	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"> PTC PTEs 	58	1-Feb.-23	31-March-23
1.2	<i>Status of implementation ASBU elements, Gaps analysis and development implementation Action Plan</i>	AFI States		<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"> Project Team Expert (PTE) Support from State TFP in MET 	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"> Project Team Expert (PTE) 	30	1-May-23	31-May-23

			<ul style="list-style-type: none"> State TFP in MET 			
1.2.3	Produce the report of the ASBU gaps analysis	AFI States	<ul style="list-style-type: none"> PTC PTEs 	14	1-June-23	15-June-23
1.2.4	Develop Action Plan to address the deficiencies identified upon the gaps analysis	AFI 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	AFI States	PTC	30	16-Jul.-23	15-Aug-23
1.3	<i>Monitoring the and assist State in the Implementation of State Action Plan</i>			<i>504</i>	<i>15-Aug-23</i>	<i>31-Dec.-24</i>
1.3.1	Task PTEs to assist beneficiary States as needed through workshops, trainings, guidance material, operational procedures, etc.,	AFI 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.	AFI States	Tasked PTEs	487	1-Sep.-23	31-Dec.-24
1.3.3	Coordinate the assistance activities conducted by PTEs	AFI 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
1.4	<i>Project Exit Wrap up</i>			<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