



ICAO

## APIRG INFRASTRUCTURE AND INFORMATION MANAGEMENT

| AFI Region  | Project Description (DP)   | DP ref.: IIM MET Project |            |
|---|--|--------------------------|------------|
| Programme   | Title of the Project   | Start                    | End        |
| <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 global, regional, and local meteorological products/Information</b></p> <p><b>MET Project 1 Team:</b></p> <ul style="list-style-type: none"> <li>• <b>Project-Team Coordinator:</b> South Africa</li> <li>• <b>Experts contributing to the Project 1:</b> Botswana, South Africa, Niger, Nigeria, Togo, Uganda, Ethiopia, Mauritania, Kenya, Ghana, IATA, ASECNA, Côte d'Ivoire, WMO, IFALPA, Senegal, Tanzania</li> </ul>  | 1/12/2022                | 31/12/2024 |
| Objective   | <p>a) Assist States to review and conduct gap analysis between their National ASBU Plans and the Regional Air Navigation Plan.</p> <p>b) Assist States in updating their National Plans to integrate ASBU elements applicable in their area.</p> <p>c) Assist States in the implementation of State ASBU implementation action plan.</p> <p>d) Assist States in 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 2021</p> |                          |            |
| 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-B0/1 Meteorological observations products</li> <li>• AMET-B0/2 Meteorological forecast and warning products</li> <li>• AMET-B0/3 Climatological and historical meteorological products</li> <li>• AMET-B0/4 Dissemination of meteorological products</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-B0/1 implemented by December 2024</li> <li>• Metric 2 : % of States with AMET-B0/2 implemented by December 2024</li> <li>• Metric 3 : % of States with AMET-B0/3 implemented by December 2024</li> <li>• Metric 4 : % of States with AMET-B0/4 implemented by December 2024</li> </ul>   |                 |                 |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
|-------------------------------------|--|-----------------|-----------------|-----------------|--------------|----------|----------|-----|-----|-----|--|----------|-----|-----|-----|--|----------|-----|-----|-----|--|----------|-----|-----|-----|--|
| <p>Strategy</p>                     | <p><b>Coordination of the project:</b> The coordination of the project will be carried out by the Project Team Coordinator State.</p> <p><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.</p> <p><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, Experts from Industry and ANSPs.</p> <p><b>Facilitation:</b> By the Ros in charge of MET, Dakar and Nairobi.</p> <p><b>Reporting on the project implementation:</b> Project-Team Coordinator, upon completion of the tasks, monthly, quarterly and annual reports on the project achievements.</p> |                 |                 |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
| <p>Rationale</p>                    | <p>a) Need of 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.</p> <p>b) Low level of implementation of AMET-B0 module applicable elements in the region</p>  |                 |                 |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
| <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>30%</td> <td>50%</td> <td>80%</td> <td></td> </tr> <tr> <td>Metric 2</td> <td>30%</td> <td>50%</td> <td>80%</td> <td></td> </tr> <tr> <td>Metric 3</td> <td>10%</td> <td>50%</td> <td>80%</td> <td></td> </tr> <tr> <td>Metric 4</td> <td>30%</td> <td>50%</td> <td>80%</td> <td></td> </tr> </tbody> </table>   | Metric          | Baseline (2022) | Milestone, 2023 | Target, 2024 | Comments | Metric 1 | 30% | 50% | 80% |  | Metric 2 | 30% | 50% | 80% |  | Metric 3 | 10% | 50% | 80% |  | Metric 4 | 30% | 50% | 80% |  |
| Metric                              | Baseline (2022)  | Milestone, 2023 | Target, 2024    | Comments        |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
| Metric 1                            | 30%  | 50%             | 80%             |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
| Metric 2                            | 30%  | 50%             | 80%             |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
| Metric 3                            | 10%  | 50%             | 80%             |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
| Metric 4                            | 30%  | 50%             | 80%             |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |
| <p>Status at the End of Project</p> | <p>a) 80% of States with AMET-B0/1, AMET-B0/2, AMET-B0/3 and AMET-B0/4 implemented</p> <p>b) The reporting on the Project implementation is consistently achieved.</p>   |                 |                 |                 |              |          |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |          |     |     |     |  |

|                  |  |
|------------------|--|
| Related projects | <p>All APIRG specifically projects related to:</p> <ul style="list-style-type: none"><li>• <b>COMI-B0/7</b> - ATS Message Handling System (AMHS)</li></ul> |
|------------------|--|

| Activity # | Activity Name   | Beneficiary States /Bodies  | Actors   | Duration (in days) | Start             | Finish             |
|------------|---|-----------------------------|--|--------------------|-------------------|--------------------|
|            | <i>Implementation of MET Project 1</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      | Confirm MET Project membership and encourage identified competent experts from States and Industry to join the team | AFI States                  | <ul style="list-style-type: none"> <li>ICAO</li> </ul>   | 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"> <li>PTC</li> <li>PTEs</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>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-B0/1, AMET-B0/2, AMET-B0/3 and AMET-0/4                             | 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> </ul>  | 30                 | 1-May-23          | 31-May-23          |

|            |   |                 |   |            |                  |                   |
|------------|---|-----------------|---|------------|------------------|-------------------|
|            |   |                 | <ul style="list-style-type: none"> <li>• MET TFP</li> </ul>             |            |                  |                   |
| 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 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         |
| <b>1.3</b> | <b><i>Monitoring the and assist State in the Implementation of State Action Plan</i></b>  |                 |   | <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        |
| <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 | 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 |
|       |   |                                |     |    |           |            |