1. **Project Identification**

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| **AFI Region** | **PROJECT DESCRIPTION (DP)** | DP N° **DIGIMET-AFI** | |
| ***Programme*** | **Title of the Project** | **Start** | **End** |
| *AREA: MET*  **Programme Facilitator: RO MET** | **DIGIMET-AFI:** Enhancing Digital Exchange of Aeronautical Meteorological Information in the AFI Region | **01/01/2026** | **31/12/2027** |
| **Project coordinator**: [Name of the Project Coordinator] |
| **Rationale** | * Annex 3 to Chicago Convention requires the exchange of OPMET data in ICAO IWXXM form in addition to the dissemination in TAC format. * Amendment 82 to Annex 3 restructured its provisions to support the shift from a product‑centric to an information‑based environment under SWIM, aligning aeronautical meteorological services with the Global Air Navigation Plan (GANP). * Amendment 82 to Annex 3 is intended for further development of the IWXXM for the provision of meteorological information. However, the following are observed in the region:   + Many AFI States still use only traditional TAC formats for MET information exchange.   + Infrastructure, technical skills, and coordination needed for IWXXM implementation are generally lacking.   + Lack of standard inter-center FTBP AMHS links in IP, replacing the RSFTA Plan links.   + Growing backlog for the exchange of OPMETs in the IWXXM format required in SWIM * This project aims at support States in progressive implementation of the IWXXM-compliant digital exchange of aeronautical meteorological information in accordance with ICAO Annex 3 provisions and the Global Air Navigation Plan under AMET-B1 elements. | | |
| **Objective** | Support AFI States in transitioning to IWXXM-compliant digital exchange of meteorological information in line with ICAO Annex 3 and the GANP (AMET-B1), thereby enhancing the availability, accuracy, and interoperability of MET data for aviation safety and efficiency. | | |
| **Scope** | **Geographical Scope:**   * All AFI States, with focus on NOCs, BCCs and IROGs States   **Functional Scope:**   * Establish a Regional Coordination and Planning Mechanism * National IWXXM Readiness Assessment * Development of IWXXM Data Generation and Exchange Tools * Capacity Building and Technical Assistance * Pilot Implementation and Transition to Operations | | |
| **Metrics** | * Regional coordination mechanism established * Assessment completed in participating States and report released * IWXXM implementation roadmap adopted * Number of staff trained on IWXXM * Number of guidance and SOPs on IWXXM developed and validated * Number of States with guidance for the operationalisation of IWXXM systems * Regional report on lessons learned * Final project report | | |
| **Strategy** | Senior CNS and MET experts, with proven experiences from the Civil Aviation Authorities and the Industry, selected as per the AASPG Procedural Handbook, will implement the project. ICAO MET Regional Officers (ESAF and WACAF) will provide support as needed. The Project Team Coordinator (PTC) will coordinate activities, assign tasks, and prepare progress reports. Activities may be delivered online, hybrid, or in-person. The PTC will present performance reports to the AASPG IIM/SG. | | |
| **Related projects** | This project is linked to the following :   * **DISMET-AFI** Project *on Improving OPMET Delivery and MET Product Access for Safer and More Efficient Flight Operations in the AFI Region*; * **AFI** **System Wide Information Management (SWIM) Project.** | | |
| **Relationship with the regional plans** | This project supports the following plans:   * Global Air Navigation Plan (GANP); * Global Aviation Safety Plan (GASP). | | |

1. **Project Deliverables**

| **Project deliverables** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Reference** | **Description** | **Responsible**  **party** | **Delivery date** | **Status of**  **Implementation** | **Comments** |
|  | **Project Setup** |  |  |  |  |
|  | Establishment of the project team | Programme facilitator | Q1, 2026 |  | Identify and select project team experts as per the AASPG Procedural Handbook |
|  | Project launching webinar | Programme facilitator | Q1, 2026 |  | Conduct the introductory meeting |
|  | **IWXXM Implementation Framework and Regional Coordination and Planning Mechanism** | | | |  |
|  | Designate national focal points for IWXXM. | Project Team | Q2, 2026 |  | Designate national focal points for IWXXM. |
|  | Establish a Regional IWXXM Implementation Group (RIIG). | Project Team | Q2, 2026 |  | Establish a Regional IWXXM Implementation Group (RIIG). |
|  | Develop an AFI IWXXM Implementation Roadmap | Project Team | Q2, 2026 |  | Develop an AFI IWXXM Implementation Roadmap |
|  | **IWXXM Readiness Assessment and Implementation Action Plan** | | | |  |
|  | Conduct gap analysis in participating States, prepare and release gaps analysis report. | Project Team | Q3, 2026 |  | Conduct gap analysis in participating States, prepare and release gaps analysis report. |
|  | Identify equipment, software, and training needs. | Project Team | Q4, 2026 |  | Identify equipment, software, and training needs. |
|  | Develop national IWXXM implementation action plan | Project Team | Q4, 2026 |  | Develop national IWXXM implementation action plan |
|  | **Development of Project Implementation Documents and Tools** | | | |  |
|  | Develop regulatory and Operational guidance materials, IWXXM related SOPs, guidance on System Upgrades, IWXXM Data Generation and Exchange means | Project Team | Q1, 2027 |  | * Regulatory materials and tools * Guidance for Upgrading MET systems for IWXXM output * Guidance on IWXXM data generation * IWXXM related SOPs * IWXXM Testing Guidance. |
|  | Validation Workshop of developed documents and tools. | Programme facilitator | Q2, 2027 |  | Validation Workshop of guidance materials and tools developed. |
|  | Consolidate validated documents and tools based on the feedback from the validation workshop | Project Team | Q2, 2027 |  | Integrate the comments from the validation workshop |
|  | **Capacity building** |  |  |  |  |
|  | Identify Training needs and workshops for CNS and MET Staff on IWXXM. | Project Team | Q3, 2027 |  | * Develop training and workshops packages for CNS and MET Staff on IWXXM. * Develop Train package on software engineers in system integration and automation. |
|  | **Assistance to selected State(s)** | | | |  |
|  | Pilot Implementation in selected States and Transition to Operations | * Programme facilitator * Project Team | Q3, 2027 |  | * Select 3-5 States for pilot implementation. * Run operational tests/trials with feedback loops. * Transition selected IWXXM products into operational use. |
|  | Evaluation & Feedback from participating States in the pilot phase | Project Team | Q4, 2027 |  | Report on pilot implementation and lessons learned |
|  | Consolidate the implementation package based on the lessons learned from the pilot implementation | Project Team | Q4, 2027 |  | Review and consolidate the project implementation documents |
|  | **IWXXM Implementation Repository** | | | |  |
| 7.1. | IWXXM Implementation online repository | Project Team | Q4, 2027 |  | Implement an IWXXM online repository for States. |
|  | **Project final report** |  |  |  |  |
| 8.1. | Project final report with recommendation for further deployment | * Programme facilitator * Project Team | Q4,2027 |  | Prepare and release Project final report with recommendation for further deployment |

1. **Resources**

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| **Resources required** | The required resources include:   * Selected CNS and MET experts from States and Organizations to conduct the project activities, based on following qualification criteria:   1. experience and good knowledge of ICAO standards and recommend practices, and procedures related to MET for MET experts;   2. experience and good knowledge ICAO standards and recommended practices, and procedures related to CNS for CNS experts;   3. at least five (5) years of operational experience in dealing with meteorological information dissemination to users;   4. at least five (5) years’ experience in State MET and CNS regulation;   5. experience knowledge in IWXXM requirements * Funds for conducting the documents and tools validation workshop. |

1. **Project Costing**

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| --- | --- | --- | --- | --- | --- |
| **Activities** | **Expenditures** | | | | |
|  | **Total** | **2025** | **2026** | **2027** | **Total** |
| **Recapitulation** | **64,500** | **-** | **24,000** | **40,500** | **64,500** |
| **Deliverable 1 Project Setup** |  |  |  |  |  |
| Activity #1.1Establishment of the project team | 0 | - | 0 | 0 | 0 |
| Activity #1.2 Project launching webinar | 0 | - | 0 | 0 | 0 |
| **Deliverable 2 IWXXM Implementation Framework and Regional Coordination and Planning Mechanism** | | | | |  |
| Activity #2.1 Designate national focal points for IWXXM. | 0 | - | 0 | 0 | 0 |
| Activity #2.2 Establish a Regional IWXXM Implementation Group (RIIG). | 0 | - | 0 | 0 | 0 |
| Activity #2.3 Develop an AFI IWXXM Implementation Roadmap | 0 | - | 0 | 0 | 0 |
| **Deliverable 3 IWXXM Readiness Assessment and Implementation Action Plan** | | | | |  |
| Activity #3.1Conduct gap analysis in participating States, prepare and release gaps analysis report | 0 | - | 0 | 0 | 0 |
| Activity #3.2 Identify equipment, software, and training needs. | 0 | - | 0 | 0 | 0 |
| Activity #3.3. Develop national IWXXM implementation action plan | 0 | - | 0 | 0 | 0 |
| **Deliverable 4 Development of Project Implementation Documents and Tools** | | | | |  |
| Activity #4.1Develop regulatory and Operational guidance materials, IWXXM related SOPs, guidance on System Upgrades, IWXXM Data Generation and Exchange means | 24,000 | - | 24,000 | 0 | 24,000 |
| Activity #4.2 Validation Workshop of developed documents and tools. | 27,500 | - | 0 | 27,500 | 27,500 |
| Activity #4.3 Consolidate validated documents and tools based on the feedback from the validation workshop | 0 | - | 0 | 0 | 0 |
| **Deliverable 5 Capacity Building** |  |  |  |  |  |
| Activity #5.1 Identify Training needs and workshops for CNS and MET Staff on IWXXM | 0 | - | 0 | 0 | 0 |
| **Deliverable 6 assistance to selected State(s)** | | | | |  |
| Activity #6.1 Pilot Implementation in two (2) selected States and Transition to Operations | 13,000 | - | 0 | 13,000 | 13,000 |
| Activity #6.2 Consolidate the implementation package based on the lessons learned from the pilot implementation | 0 | - | 0 | 0 | 0 |
| Activity #6.3 Evaluation & Feedback from participating States in the pilot phase | 0 | - | 0 | 0 | 0 |
| **Deliverable 7 IWXXM Implementation Repository** | | | | |  |
| Activity #7.1 IWXXM Implementation online repository | 0 | - | 0 | 0 | 0 |
| **Deliverable 8 Project final report** |  |  |  |  |  |
| Activity #8.1 Project final report with recommendation for further deployment | 0 | - | 0 | 0 | 0 |
| **Total** | **64,500** | **-** | **24,000** | **40,500** | **64,500** |