

1. Project Identification

| AFI Region | PROJECT DESCRIPTION (DP) | DP N° AFI-SPWX | |
|--|--|-------------------|-------------------|
| Programme | Title of the Project | Start | End |
| AREA: MET Programme Facilitator: RO MET | AFI-SPWX: Enhancing Space Weather Readiness and Service Provision in the AFI Region Project coordinator: [Name of the Project Coordinator] | 01/01/2026 | 30/06/2027 |
| Rationale | <p>Annex 3 to Chicago Convention include the requirement for States to provide space weather information to operators and flight crew members, with an applicability date of 8 November 2018. However, most AFI States currently lack:</p> <ul style="list-style-type: none"> a) National regulations and operational procedures for handling ICAO SWX advisories b) Awareness of space weather impacts. c) Trained personnel to interpret and use this information. <p>The AFI-SPWX project aims to address these gaps and support States for the implementation of the SWX requirements.</p> | | |
| Objective | <p>The main objectives of the project are to:</p> <ul style="list-style-type: none"> • Raise stakeholder awareness of space weather impacts on aviation. • Support AFI States in implementing ICAO Annex 3 space weather provisions. • Develop national and regional capabilities for using space weather advisories. | | |
| Scope | <p>Geographical Scope:</p> <ul style="list-style-type: none"> • AFI States, with emphasis on States with limited space weather service capability. <p>Functional Scope:</p> <ul style="list-style-type: none"> • Awareness on aviation impacts of space weather • Development of national regulations on the implementation of Space Weather requirements. • SOPs for SWX reception and use. • Integration of ICAO SWX advisories into MET and ATM operations. • Training for MET, ATM, and airline personnel. • Coordination with ICAO global SWX Centers (CRC, PECASUS, ACFJ, NOAA). • Implementation of feedback and monitoring mechanisms. | | |
| Metrics | <ul style="list-style-type: none"> • Assessment report finalized • Guidance materials and tools developed. • Number of SOPs adopted • Number of States with staff trained; workshops held • Final project report | | |
| Strategy | <p>Qualified CNS and MET experts 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.</p> | | |
| Related projects | <p>This project is linked to the AFI-GGCOM AFI Regional Ground Communication Modernization</p> | | |
| Relationship with the regional plans | <p>This project focus on the implementation of AMET-B1/4 element and its dependencies (AMET-B1/1 and AMET-B1/2 as approved in Vol III of the AFI eANP.</p> | | |

2. Project Deliverables

| Project deliverables | | | | | |
|----------------------|---|-----------------------|-----------------|--------------------------|--|
| Reference | Description | Responsible party | Delivery date | Status of Implementation | Comments |
| DEL01. | Setup of Project | | | | |
| 1.1. | Selection of project team experts | Programme facilitator | Q1, 2026 | | Coordinate with States and Organizations for the nomination of subject matter experts possessing the required qualifications and experience to compose the project team. |
| 1.2. | Project launching webinar | Programme facilitator | Q1, 2026 | | Organize an initial webinar with the project team members to launch the activities of the project. |
| DEL02. | Gap analysis report on space weather awareness and systems | | | | |
| 2.1. | Carry out gap analysis on space weather awareness and implementation status | Project Team | Q2, 2026 | | Carry out baseline assessment of the weather awareness and systems and provide report |
| DEL03. | Develop of Project documents and tools | | | | |
| 3.1. | Develop Regulatory and Operational Guidance materials and SOPs related to the implementation of SWX | Project Team | Q2 & Q3, 2026 | | Develop a template enabling States to incorporate Annex provisions related to space weather into national regulations |
| | | | | | Develop comprehensive Checklist for inspecting the provision of space weather advisory information to users. |
| | | | | | Identify and develop national SOPs for handling ICAO SWX advisories |
| | | | | | Develop an comprehensive guidance for the implementation of integrated systems to |

AASPG DISMET-AFI Project

| Project deliverables | | | | | |
|----------------------|---|---|---------------|--------------------------|--|
| Reference | Description | Responsible party | Delivery date | Status of Implementation | Comments |
| | | | | | receive SWX advisories via digital channels. |
| 3.2. | Validation workshop of the developed guidance materials and SOPs related to the implementation of SWX | Programme facilitator | Q3, 2026 | | Conduct workshop to review and validate the developed guidance materials and SOPs on the use of SWX advisories |
| DEL04. | Capacity building | | | | |
| 4.1. | Train MET staff on interpretation and operational use of space weather information. | Project Team | Q1, 2027 | | Conduct workshop/Trained personnel in interpretation and operational use of space weather information. |
| DEL05. | Mechanism for collection operational feedback and user satisfaction assessments. | | | | |
| 5.1. | Mechanism to collect operational feedback and user satisfaction assessments. | Project Team | Q2, 2027 | | Develop a comprehensive mechanism to collect operational feedback and user satisfaction assessments. |
| DEL06. | Final Project Report | | | | |
| 6. | Develop Project final report | <ul style="list-style-type: none"> Programme facilitator Project Team | Q2, 2027 | | Develop Project final report with recommendations for further deployment of Project outcomes. |

3. Resources

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|---------------------------|--|
| Resources required | <p>The required resources include:</p> <ul style="list-style-type: none"> Selected experts from States and Organizations to conduct the project activities, based on following qualification criteria: <ul style="list-style-type: none"> i. experience and good knowledge of ICAO standards and recommend practices, and procedures related to MET; ii. experience and good knowledge of space weather requirements iii. experience in State MET regulation; iv. at least three (3) years operational experience in providing aeronautical meteorological services to aviation, including space weather information. Funds for conducting the documents and tools validation workshop. |
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4. Project Costing

| Activities | Expenditures | | | | |
|---|---------------|------|---------------|---------------|---------------|
| | Total | 2025 | 2026 | 2027 | Total |
| Recapitulation | 57,000 | - | 23,750 | 33,250 | 57,000 |
| Deliverable 1 Project Set Up | | | | | |
| Activity #1.1 Selection of project team experts | 0 | - | 0 | 0 | 0 |
| Activity #1.2 Project launching webinar | 0 | - | 0 | 0 | 0 |
| Deliverable 2 Gap analysis report on space weather awareness and systems | | | | | |
| Activity #2.1 Conduct gap analysis and release report on space weather awareness and implementation status and gap analysis prepare report. | 0 | - | 0 | 0 | 0 |
| Deliverable 3 | | | | | |
| Activity #3.1 Develop Regulatory and Operational Guidance materials and SOPs related to the implementation of SWX | 17,000 | - | 23,750 | 0 | 17,000 |
| Activity #3.2 Validation workshop of the developed guidance materials and SOPs on the implementation of SWX | 17,500 | - | 0 | 17,500 | 17,500 |
| Deliverable 4 Capacity building | | | | | |
| Activity #4.1 Train MET staff on interpretation and operational use of space weather information. | 0 | - | 0 | 16,250 | 16,250 |
| Deliverable 5 Mechanism for collection operational feedback and user satisfaction assessments | | | | | |
| Activity #5.1 Develop mechanism to collect operational feedback and user satisfaction assessments. | 0 | - | 0 | 0 | 0 |
| Deliverable 6 Project final report | | | | | |

AASPG DISMET-AFI Project

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|--|--------------|---|---------------|---------------|---------------|
| Activity #6.1 Develop Project final report | 0 | - | 0 | 0 | 0 |
| Total | 57,00 | - | 23,750 | 33,250 | 57,000 |