

## APIRG INFRASTRUCTURE AND INFORMATION MANAGEMENT

AFI Region	Project Description	IIM MET	Project 3		
Programme	Title of the Project	Start	End		
	Implementation of Annex 3 provision relating to space weather requirements within the AFI Region  MET Project 3 Team:  Project-Team Coordinator: South Africa Experts contributing to the Project 3: Experts from States and Industry	1/12/2022	31/12/2024		
Objective	Assist States in the implementation of:  a) The requirement for the provision of a space weather information service to support international air navigation as part of ICAO's Global Air Navigation Plan (Doc 9750). ICAO amended Annex 3, Annex 15, PANS-ABC and PANS-ATM to include the provision of space weather information that is expected to affect the following areas: (i) communications, (ii) navigation and surveillance system and (iii)/or pose a radiation risk to flight crew members and passengers. This information should be provided for the evolution of such phenomena in time and space in accordance with ICAO DOC 10100 (Space weather manual) and Annex 3.  b) to assist the states within the ICAO AFI region to meet the space weather information requirements in accordance with the ICAO Annex 3.  c) Create awareness of the space weather information requirement within the aviation sector in the AFI region.  d) Engage with the States to ensure government support for the provision of space weather for the safety of aircraft operations.  e) Report on the implementation of project activities.				
Scope	The Project will benefit all AFI States and interested Organizations a implementation of the following MET ASBU elements.  • AMET-B1/1 Meteorological observations Information (Space • AMET-B1/2 Meteorological forecast and warning information • AMET-B1/3 Climatological and historical meteorological Information (climatological data) • AMET-B1/4 Dissemination of meteorological Information ((Space))	weather eve (Space wea ormation (En	ents) ather events) nhanced		

	The progress of t status using the fo	-	nonitored through th	e evaluation of the	implementation	
Metrics	<ul> <li>by Decemble</li> <li>Metric 2: 9</li> <li>by Decemble</li> <li>Metric 3: 9</li> <li>by Decemble</li> </ul>	oer 2024 6 of States with AM oer 2024 6 of States with AM oer 2024 6 of States with AM	IET-B1/1 related to IET-B1/2 related to IET-B1/3 related to IET-B1/4 related to	space weather eve	nts implemented	
Strategy	Project Tea  Implement assigned sp  Supporting Coordinato (TFP) in M  Facilitation Reporting of the tasks	tation of the Project test to be ach gexperts: Project test for planning and in ET.  n: Project Facilitator on the project imp on the results will be ach general test.	The coordination of the coordination of the coordination of the coordination of the coordination is calculated as per the project of the Proj	ember of the project ect wok plan. supported by State PI) and Sate technicate and Nairobi. t-Team Coordinato acilitators as a final	t team will be National al Focal Point  r, upon completion document for	
	of informat	1	many/ a significant oute space weather p			
Rationale		e quality space weat	rent air navigation a her information do n			
	c) Low level of implementation of AMET-B1 applicable elements related to space weather in the region					
	d) 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.					
	,	• •	e weather information ATM safety and eff		ght path planning	
Targets	Metric	Baseline (2022)	Milestone, 2023	Target, 2024	Comments	
	Metric 1	0%	30%	70%		
	Metric 2	0%	30%	70%		
	Metric 3	0%	30%	70%		
	Metric 4	0%	30%	70%		

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Status at the End of Project	a) At least 70% of States with the provision of space weather information implemented.
,	b) The reporting on the Project implementation is consistently achieved.
	All APIRG specifically projects related to:
	• COMI-B0/7 - ATS Message Handling System (AMHS)
Related projects	• <b>COMI-B0/1</b> - Aircraft Communication Addressing and Reporting System (ACARS)
	<ul> <li>ASUR-B0/3 - Cooperative Surveillance Radar Downlink of Aircraft Parameters (SSR-DAPS)</li> </ul>
	DAIM-B1/1 - Provision of quality-assured aeronautical data and information
	DAIM-B1/2 - Provision of digital Aeronautical Information Publication (AIP) data sets

Activity #	Activity Name	Beneficiary State /Bodies	Actors	Duration (in days)	Start	Finish
	Implementation of MET Project 3			700	1-Dec22	31-Dec24
1.1	Coordination of the Project and implementation guidance material	-				
1.1.0	IIM/SG Quarterly PTCs' Coordination Meeting and quarterly report on the implementation of Project activities	AFI States	<ul><li>Chair</li><li>Supported by Vice-Chair and PTC</li></ul>	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	• PTC	30	1-Dec22	31-Dec22
1.1.2	Update meeting on the Project methodology and expected outcomes	Project Team Experts (PTEs)	• PTC • PTEs	5	2-Jan23	6-Jan23
1.1.3	Review/update/development of project implementation guidance material	Project Team Experts (PTEs)	• PTC • PTEs	58	1-Feb23	31-March-23
1.2	Status of implementation ASBU elements, Gaps analysis and development implementation Action Plan	AFI States		136	1-Apr23	15-Aug-23
1.2.1	Assess the status of implementation of the space weather requirements related to AMET-B1/1, AMET-B1/2, AMET-B1/3 and AMET-1/4	AFI States	<ul> <li>Project Team</li></ul>	29	1-Apr23	30-Apr23
1.2.2	Perform the ASBU gaps analysis and establish priorities	AFI States	Project Team     Expert (PTE)	30	1-May-23	31-May-23

			MET TFP			
1.2.3	Produce the report of the ASBU gaps analysis	AFI States	• 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-Jul23
1.2.5	Review and approve Action Plan to guide its implementation by State with support of PTEs	AFI States	PTC	30	16-Jul23	15-Aug-23
1.3	Monitoring the and assist State in the Implementation of State Action Plan			504	15-Aug-23	31-Dec24
1.3.1	Task PTEs to assist beneficiary States as needed through workshops, trainings, guidance material, operational procedures, infrastructure, 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, infrastructure, regulatory documents, etc.	AFI States	Tasked PTEs	487	1-Sep23	31-Dec24
1.3.3	Coordinate the assistance activities conducted by PTEs	AFI States	PTC	487	1-Sep23	31-Dec24
	Provide monthly report to the PTC on the implementation of the activities of assistance to States	States assisted	PTEs	487	1-Sep23	31-Dec24
1.3.4	Provide quarterly and annual Report on the progress of the Project activities	States assisted	PTC	487	30-March23	31-Dec24
1.4	Project Exit Wrap up			30	1-Dec24	31-Dec24

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1.4.1	Review the Project achievements and failures	Beneficiary States	PTC	30	1-Dec24	31-Dec24
1.4.2	Document the lessons learnt and formulate recommendations for improvement	Prioritized beneficiary States	PTC	30	1-Dec24	31-Dec24
1.4.3	Present the termination report to the IIM/SG	Prioritized beneficiary States	PTC	30	1-Dec24	31-Dec24