



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**Fifth Meeting of the APIRG Infrastructure and Information Management Sub-Group
(IIM/SG5)**

(Virtual, 26 - 29 July 2022)

Agenda Item 3.1 : Status of implementation of applicable ASBU elements

WP3.1D3. MET Project 3 Progress Report

(Presented by South Africa)

SUMMARY
This working paper outlines the achievement that the MET 3 Project has achieved since the last IIM/SG meeting in 2021 Action by the meeting in paragraph 3
REFERENCE(S): <ul style="list-style-type: none">▪ APIRG Conclusion A23/29▪ APIRG conclusions A24/30 and A24/31▪ Doc 9750, <i>Global Air Navigation Plan</i>▪ Doc 10100, <i>Manual on Space Weather Information in Support of International Air Navigation</i>▪ ICAO State Letter reference ES AN 8/15- 0032▪ IIM/SG Third Meeting Report, Decision 3/20
This working document relates to ICAO Strategic Objectives: Related ICAO Strategic Objective (s): A - <i>Aviation Safety</i> B - <i>Air Navigation Capacity and Efficiency</i> Related ASBU KPIs & B0 Modules: <i>All applicable to AIM, and MET</i>

1. INTRODUCTION

1.1 The Africa-Indian Ocean (AFI) Planning and Implementation Regional Group (APIRG) during its twenty-third meeting (APIRG23), agreed on the establishment of a new space weather project on meteorology under its Information and Infrastructure Management Sub-Group (IIMSG). The main objectives of the Project being:

- a) to assist AFI States with the development of action plans for the implementation of Annex 3 space weather requirements.
- b) To assist AFI States with implementing the requirements for the provision of space weather information services to support international air navigation in accordance with Annex 3.

- c) Create awareness on 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.
- 1.2 South Africa was nominated as the Project-Team Coordinator (PTC) and additionally as the designated Regional Space Weather Centre (*through the South African National Space Agency -SANSA*). The Secretariat submitted SL Ref: ES AN 8/15 -0032 dated 4 February 2021 requesting for nominations for Team Members for MET Project 3. The list of experts nominated by the AFI States is contained in Appendix A to this Paper.
- 1.3 Since the inception of the project in February 2021, three virtual meetings were conducted to address the Project objectives and tasks. The details of the project progress since the 4th IIM/SG meeting are discussed in this paper.

2. INTRODUCTION

- 2.1 Africa- The meeting may recall that Conclusions 23/29 and 23/30 of the IIM SG/3 proposed the establishment of the Regional Space weather Project and called for the development of action plans for the implementation of space weather requirements. The Project would effectively provide assistance to the States with the implementation of the ICAO Annex 3 requirements for the provision of space weather.
- 2.2 The Met project has conducted about four meeting since July 2021 to date, where the issue pertaining to the project objectives were discussed and addressed. As part of this meetings the APIRG conclusion/ Decision 24/30 and conclusion/ Decision 24/31 were reviewed, and the decision was taken to assign different task to different member states to encourage maximum participation.
- 2.3 Three sub-activities group were formed that will be dealing with specific project objectives namely
- a) **Analysing the survey responses, training, and workshop:**
The first objective of this group will be to analyse the survey responses and identify the readiness of different states and the deficiencies that they have, this can be in terms of skills, competency, infrastructure, and knowledge gap, regulatory framework, processes, and procedures.
 - b) **Cost recovery:** The main aim of the group will be to look at the different aspects of the project and come up with the cost recovery model to enable the implementation of the project. This can include the cost of training virtual or in person, interpretation cost, translation cost, software, infrastructure etc.
 - c) **Concept of operation document development:** The group will develop a framework document that deals with receiving and dissemination of SWx information within the African

continent.

2.4 In this regard, the MET Project 3 has undertaken several activities as part of the implementation of its tasks as shown in the table below.

NO	TASK	RESPONSIBLE PERSON	PLANNED DATE	COMMENTS/STATUS
	Project team meetings	PTC and project team members	15/09/2021 17/11/2021 10/02/2022 30/06/2022	These are the meetings that took place since the last reporting of the IIM/SG meeting last year to carry out the project objectives and different assigned tasks.
	Cost recovery elements	PTC and Team Members	Completed	The PTC together with the team tasked with the cost recovery plan for the project has submitted the documents to the secretariat.
	Concept of operation document development	PTC and team Members	Ongoing	The team has been established to work on these aspects and are busy reviewing the draft document.
	Alignment of project objective with the GANP sixth Edition	PTC and Team Members	Completed	The working paper outlining how the MET project 3 fit in to the ecosystem of the GANP has been developed and been submitted to the secretariat.
	Raise awareness on space weather information	PTC and Team members	August 2022	This is the upcoming Workshop to be conducted for the AFI Region (10-11 August 2022)

3. ACTIONS BY THE MEETING

3.1 The meeting is invited to:

- a) take note of the information presented in this paper that highlight the progress that is made by the MET 3 project.

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