



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

**Seventh Meeting of the APIRG Infrastructure and Information Management
Subgroup (IIM/SG7)**

(Dakar, 5 – 8 August 2024)

Agenda Item 3: Achievements in Infrastructure and Information Management

3.5. Other Air Navigation initiatives

WP3.5E – Update on the progress of the CODEVMET-AFI project

(Presented by Secretariat)

SUMMARY

This paper presents the progress made in the implementation of the CODEVMET-AFI project assistance activities in the region. The document calls on States and Organizations to build on the project to address long standing critical ANS deficiencies in the MET area.

Action by the meeting is in paragraph 3.

REFERENCE(S):

- Project revised Management Services Agreement (MSA)
- Project Document (ProDoc) Revision C
- SC/3 Meeting Report
- SC/4 Meeting Report

Related ICAO Strategic Objective (s): *A – Safety; B – Air Navigation Capacity and Efficiency.*

1. INTRODUCTION

1.1. The Project for the Cooperative Development of Aeronautical Meteorology in Africa-Indian Ocean Region (CODEVMET-AFI) was designed in 2016 to address longtime critical air navigation deficiencies in MET field in AFI Members States.

1.2. The objectives of the Project cover on the followings:

- 1.2.1. Strengthen the capacity of States to ensure compliance with the meteorological safety requirements in Annexes 3 to the Convention on the International Civil Aviation Organization and MET related Guidance and Documents;
- 1.2.2. Assist States providing air navigation services in establishing contingency measures for the provision of meteorological services necessary for the continuity of air operations in the event of natural disasters and other disturbances;
- 1.2.3. Assist Participating States in harmonizing and aligning national legislation relating to the provision of aviation meteorological services with ICAO requirements;
- 1.2.4. Assist States in establishing a mechanism to acquire a sufficient number of meteorological and technical personnel, duly qualified and trained, and to have means to maintain and improve their professional qualifications and skills through recurrent and specialized training, workshops, etc.;
- 1.2.5. Assist Participating States in the development of Quality Management Systems (QMS) in support of Safety Management Systems (SMS) for the provision of AeroMET services, in accordance with ICAO policies and requirements;
- 1.2.6. Assist participating States in implementing the ICAO Meteorological Information Exchange Model (IWXXM), through the implementation of the ASBU AMET-B1 elements.

1.3. This paper provides and update on the progress made so far in the implementation of the project activities.

2. DISCUSSION

- 2.1 The Fourth Meeting of the CODEVMET Steering Committee (SC/4), held in Freetown, Sierra Leone from 27 to 20 September 2023, through Decision 4/5 and Decision 4/6, approved the Revised Project Document and related Project work plan respectively.
- 2.2 The Project conducted activities focused on the assistance to States in the enhancement of their capacity in carrying out the oversight of MET Service Providers functions.
- 2.3 The Project also assisted MET Services Providers in the implementation of QMS for aeronautical meteorological services.
- 2.4 The implementation activities of the project are mainly carried out by subject matter experts from States and Organizations. So far, the Following were achieved.

Assistance to States in enhancing CAAs capability to carry out safety oversight activities in MET.

- 2.5 Eight (8) States (Botswana, Cameroon, Cabo Verde, Côte d'Ivoire, Gambia, Nigeria, and Togo) were assisted. Assistance activities were focused on reviewing and improving documents pertinent to the implementation of States safety oversight system critical elements of establishment (CE-1 to CE-5) and application (CE-6 to CE-8). States were also guided in the alignment of the national legislation related to the provision of meteorological services to aviation with ICAO requirements. Furthermore,

guidance materials and generic documents were provided to States to help them well align their MET related regulations with ICAO SARPs.

Assistance to States MET Service Providers in the implementation of QMS.

- 2.6 Assisted States' MET Service Providers were guided in aligning their practices in compliance with their national regulations and ICAO/WMO requirements. The assisted States were helped to develop an implementation action plan for a QMS that complies with the requirements of the 9000 series standards, by adopting the QMS MET implementation approach developed in WMO Publication No. 1100. So far:
- Four (4) States (Cameroon, Cabo Verde, Senegal, Togo) were assisted for the implementation of the QMS.
 - One (1) ANSP (ASECNA) is being assisted in the development of MET related contingency measures and the development of procedures for the use space weather advisories.
 - Two (2) States (Gabon and Sierra Leone) are planned to receive the Project assistance by the end of the year.

Supporting documents

- 2.7 Assisted States and Organizations were provided with guidance, generic documents, procedures as well as tools that they can be customized as needed.

Project Steering Committee

- 2.8 Cameroon and Sierra Leone successfully hosted the Third and the Fourth meetings of the CODEVMET Project Steering Committee in 2022 and 2023, respectively.

Supporting experts to the Project

- 2.9 Nine (9) States (Botswana, Burkina Faso, Cameroon, Gabon, Kenya, Nigeria, Nigeria, Rwanda, South Africa, and Togo) and ASECNA have provided experts to support States under this Project.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
- a) Note the information provided in this working paper;
 - b) Encourage States to use the project channel to improve their regulatory capacity in carrying out safety oversight of AeroMet services and assist MET service providers in addressing critical air navigation deficiencies in the MET area.

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