**WORKSHOP CONCEPT NOTE & PROGRAMME**

**FOR**

**THE VALIDATION WORKSHOP FOR THE DRAFT FINAL REPORT ON THE DEVELOPMENT OF A REGIONAL INSTITUTIONAL FRAMEWORK FOR THE DEPLOYMENT OF REGIONAL INTEROPERABLE CNS/ ATM SYSTEMS IN THE EASTERN AFRICAN, SOUTHERN AFRICAN AND INDIAN OCEAN REGION**

**CAIRO- EGYPT**

**29th – 31st MAY 2023**

**BACKGROUND**

The Common Market for Eastern and Southern Africa (COMESA) Secretariat and the European Union (EU) have signed a Grant Contribution Agreement amounting to €8million for the Support to Air Transport Sector Development (SATSD) in the Eastern Africa, Southern Africa, and Indian Ocean (EA-SA-IO) Region. The overall objective of the programme is to contribute to the development of the air transport sector in the EA-SA-IO region.The specific objectives are to achieve the following:

* Single African Air Transport Market operationalised.
* Strengthened regulatory and institutional capacity of civil aviation institutions in EA- SA-IO region; and
* Improved air navigation efficiency in the EA-SA-IO region.

**ICAO Provisions and Guidance**

One of the primary enablers to the successful operationalization of the Single African Air Transport Market (SAATM) and realization of African Agenda 2063 is improved Air navigation efficiency through air traffic management and airspace operations. Provision of these services require technology and infrastructure to be employed both on the ground and in the air; this includes the Communication, Navigation, Surveillance and Air Traffic Management (CNS/ ATM) Systems certified by Civil Aviation Authorities and operated by the air navigation service provider for all phases of flight.

The ICAO Global Air Navigation Plan (GANP) and in particular the Aviation System Block Upgrade (ASBU) framework emphasize the need for global interoperability of CNS/ ATM Systems and data among all contracting States to the Chicago convention on international civil aviation if the desired improvements in air navigation efficiency is to be attained. This resonates with the AFI Air Navigation Plan that requires all contracting States to achieve the global interoperable system for the benefit of the ATM community through implementation of Key Performance Areas (KPAs) of access/equity; capacity; cost effectiveness; efficiency; environment; flexibility; global interoperability; participation of ATM community; predictability; safety; and security.

To achieve interoperability of CNS/ ATM System and data in areas of multiple jurisdictions, regional collaboration between ANSPs (and airspace users) is required to implement both airborne and ground Infrastructure across the region. ICAO recommends that this collaboration begin locally where with neighbour- to-neighbour exchange of operational procedures, traffic information, and system development direction is applicable to all ANSPs particularly where high traffic density and complexity is prevalent or projected to grow.

**Regional Perspective**

According to the ICAO Aviation Infrastructure for Africa Gap Analysis conducted in 2019, the implementation level of some critical infrastructure enabling interoperability of CNS/ ATM Systems and data is still low. For instance, it was discovered that there was:

* 15% implementation of Air Traffic Services Message Handling Systems (AMHS) and related interconnections;
* Less than 5% ATS Inter-Facility Data Communications (AIDC) procedures;
* No implementation of Voice over Internet Protocol (VoIP).

The study recommended several strategies and actions to address the identified air navigation service deficiencies interalia, continuously monitoring the deficiencies; prioritizing CNS/ ATM Systems implementation according to the Regional Air Navigation Plan, ASBU Block 0 Modules and establishing a seamless airspace by 2024. For these to be effectively addressed and/ or achieved, it is crucial to establish and implement an effective regional collaboration mechanism supported by policy makers.

In complimenting the efforts of other aviation stakeholders i.e ICAO, AFCAC and CANSO, the COMESA Secretariat, on behalf of partner RECs (EAC, IGAD, IOC and SADC), contracted a consultant to develop a Regional Institutional Framework to facilitate the deployment of regional Communication, Navigation, Surveillance and Air Traffic Management (CNS/ ATM) Systems in the Eastern African, Southern African and Indian Ocean Region.

The main objective of the consultancy is to assess the status of the CNS/ ATM Systems and associated regional institutional and legal instruments, develop a regional institutional framework and provide recommendations on other enablers that will facilitate the deployment of regional interoperable CNS/ ATM Systems within the EA-SA-IO Region.

**WORKSHOP OBJECTIVE:**

The workshop will validate the 1st draft final report submitted by the consultant on the development of the regional institutional framework that will facilitate the deployment of regional interoperable CNS/ ATM Systems in the EA-SA-IO Region.

**EXPECTED OUTCOME**

Recommendations and submissions from Member States, RECs and key aviation stakeholders that will facilitate finalization of the 1st Report and facilitate development of Regional Institutional Framework for deployment of regional interoperable CNS/ ATM Systems and a policy guideline for its implementation within EA-SA-IO Region.

**WORKSHOP PARTICIPANTS**

Aviation Professionals from the Air Navigation Service Providers or Air Navigation Regulators with CNS/ ATM focus area. The nominated delegates from Member/ Partner States that have not completed and/ or submitted the Questionnaires are urged to have them completed and brought when travelling to the Workshop.

**HOST COUNTRY, DATES & VENUE**

The Workshop will be hosted by Egypt in Cairo and conducted over a three (3) day period from the 29th -31st May 2023. The venue will be communicated through an official information bulletin prior to the workshop.

**TENTATIVE WORKSHOP PROGRAMME**

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| **Time** | **DAY 1 – 29th May 2023** | **Presenter** | **Designation** |
| **08:00-09:00** | **Registration** | Ms. Mutindi Chanda | Admin Assistant |
| **09:00-09:45** | **Opening Ceremony:**   * Host welcoming Delegates * AUC Representative * EAC Representative * IGAD Representative * IOC Representative * SADC Representative * COMESA Representative * Guest of Honour * Group Photo | AUC,RECs, Host State/ PMU | TBN |
| **09:45-10:00** | **Adoption of Workshop Agenda** | PMU | Moderator |
| **10:00-10:30** | **Session 1. Overview of the SATSD Programme** | Mr. Adikiny H. Olwenge | SATSD Team Leader |
| **10:30-10:45** | **Coffee/Tea Break** | All |  |
| **10:45-11:30** | **Session 2:**   * Project background and Context | Mr. Vitor Coelho | Consultant |
| **11:30-12:30** | **Session 3:**   * Regional Air Navigation Service Landscape | Mr. Vitor Coelho | Consultant |
| **12:30-13:30** | **Lunch** | All |  |
| **13:30-15:00** | **Session 4:**   * Deployment of Regional Interoperable CNS/ ATM Systems | Mr. Vitor Coelho | Consultant |
| * Open discussions | MS Egypt/ PMU | Moderator |
| **15:00-15:30** | **Coffee/Tea Break** | All |  |
| **15:30-17:30** | **Session 5:**   * International, Continental and Regional Institutional Frameworks on Airspace Integration | Mr. Vitor Coelho | Consultant |
| * Open discussions | MS Egypt/ PMU | Moderator |

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| **Time** | **DAY 2 – 30th May 2023** | **Presenter** | **Designation** |
| **09:00-09:15** | **Day 1- Recap** | MS Egypt/ PMU | Moderator |
| **09:15- 10:30** | **Session 6:**   * Proposed Regional Institutional framework (Part I) | Mr. Vitor Coelho | Consultant |
| * Open discussions | MS Egypt/ PMU | Moderator |
| **10:30-11:45** | **Coffee/Tea Break** | All |  |
| **11:45-13:00** | **Session 7:**   * Proposed Regional Institutional framework (Part II) | Mr. Vitor Coelho | Consultant |
| * Open discussions | MS Egypt/ PMU | Moderator |
| **13:00-14:00** | **Lunch** | All |  |
| **14:00-15:00** | **Session 8:**   * Proposed Regional Institutional framework (Part III) | Mr. Vitor Coelho | Consultant/ PMU Expert |
| * Open discussions | MS Egypt/ PMU | Moderator |
| **15:00-15:30** | **Coffee/Tea Break** | All |  |
| **15:30-16:30** | **Session 9:**   * Report Conclusions and Recommendations | Mr. Vitor Coelho | Consultant |
| * Guidance framework to facilitate the implementation of the Regional Institutional Framework | Mr. Vitor Coelho | Consultant |
| * Open discussions | MS Egypt/ PMU | Moderator |
| **16:30-17:30** | **Session 10:**   * Regional Policy framework/ Statement of Policy on CNS/ATM Systems Implementation and Operation | Mr. Vitor Coelho | Consultant |
|  | * Open discussions | MS Egypt/ PMU | Moderator |

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| **Time** | **DAY 3 – 31st May 2023** | **Presenter** | **Designation** |
| **09:00-09:15** | **Day 2- Recap** | MS Egypt/ PMU | PMU Expert |
| **09:15-10:30** | **Session 11:** Preparation and Consolidation of Workshop Recommendations and Outcomes (Part I) | Mr. Vitor Coelho | Consultant |
| * Open discussions | MS Egypt/ PMU | Moderator |
| **10:30-10:45** | **Coffee/Tea Break** | All |  |
| **10:45-12:00** | **Session 12:** Preparation and Consolidation of Workshop Recommendations and Outcomes (Part II) | Mr. Vitor Coelho | Consultant |
| * Open discussions | MS Egypt/ PMU | Moderator |
| **12:00-12:30** | **Closing Ceremony**   * Vote of Thanks * COMESA Representative * Guest of Honour | MS Egypt | TBN |

Note

1. MS- Member State

2. PMU-SATSD Programme Management Unit.