



# ICAO

## Fifth Meeting of the African Air Navigation Services Providers

(Lomé, Togo, 28 March - 1<sup>st</sup> April 2022)

### Agenda Item 3: Review of the status of implementation of the recommendations of the last meeting of the African ANSPs

#### 3.x: Focus on Harmonization and active participation in data collection, monitoring and reporting mechanisms related to the implementation of agreed targets.

(Presented by Kenya)

<b>SUMMARY</b>	
<p>This paper highlights the development and implementation of a Data-Driven Operational Performance Management System within the Kenyan ANSP as part of Kenya Airspace Master plan 2015-2030 to facilitate the performance measurement, documentation and monitoring of the trends, value additions and actual benefits of implementing various Aviation System Block Upgrade (ASBU) modules and activities listed in the Kenya Airspace Master plan 2015-2030. In particular, APIRG/19 meeting agreed on the application of the ASBU methodology in its work with due consideration given to planning, implementation, monitoring and reporting aspects.</p> <p>The paper presents a case for a regional push towards the development and implementation of key performance indicators within the performance areas being addressed in order to drive the specific objective of the African ANSPs peer review mechanism. The main is to improve the capabilities of the ANSPs and enhance the safety and quality of air navigation services in the Africa-Indian Ocean Region through the:</p> <ul style="list-style-type: none"> <li>• Inclusion of the AFI ANS Performance Indicators and Targets in their Programme of activities; and</li> <li>• Harmonization and active participation in data collection, monitoring and reporting mechanisms related to the implementation of agreed targets.</li> </ul> <p>Action: The meeting is invited to adopt the recommendations in paragraph 3.</p>	
<b>REFERENCE(S)</b>	<p>ICAO Doc 9854, Global Air Traffic Management Operational Concept, 2005;</p> <p>ICAO Doc 9883, Manual on Global Performance of the Air Navigation System, 2009;</p> <p>ICAO Doc 9750, Global Air Navigation Plan</p>
<b>Strategic Objectives</b>	<p>A-Safety, B. Air Navigation Capacity and Efficiency, C. Security and Facilitation,</p> <p>D. Economic Development of Air Transport, E. Environmental Protection</p>

## 1 INTRODUCTION

- 1.1 The Global Air Navigation Plan recommends a systematic and phased-implementation approach for adoption of key Performance indicators by States, noting that States are at different levels in regard to Performance measurement as the basis for the air navigation system improvements. This is to incrementally allow for enhancement of performance data collection, quality management and reporting mechanisms in order to continually improve as the performance management process matures.

## 2. DISCUSSION

- 2.1 Motivated by the need for a Data Driven Performance Management of Air Navigation Services in Kenya, an ANS operational Performance measurement and monitoring (OPMM) framework was developed as part of the Kenya Airspace Master plan 2015-2030. The OPMM targets to facilitate performance measurement and monitoring of the trends, value additions and actual benefits of implementing various Aviation System Block Upgrade (ASBU) modules and activities listed in the Kenya Airspace Master plan 2015-2030.
- 2.2 The OPMM framework is aligned to the ICAO key performance areas but benchmarked with other key industry players such as CANSO and FAA for the adopted set of Key Performance Indicators (KPIs). The operational performance measurement implementation plan has factored an incremental approach to data collection in order to align with ASBU implementation plan and allow for maturing of data collection and analysis practices fundamental to guided focus on desired/required results and enhanced reliance on facts and data for informed decision-making.
- 2.3 While Kenya is committed to measuring and monitoring the ANS performance using the identified KPIs, she remains alive to benchmark the performance to benchmark the performance attained with peers in the region and the need for the aggregated feedback from evaluations of performances at State and regional levels to support setting of both regional and global priorities.
- 2.4 Furthermore, Benchmarking at regional level where traffic patterns are homogeneous and procedures are harmonized, enhances quality of decisions made out of such performance evaluations. The opportunity for Kenya and other few States within AFI that have implemented similar ANS OPMM framework is however harbored by the limited number of States with established regimes of KPIs for performance measurement and monitoring.
- 2.5 The identification and monitoring of KPIs especially those associated with ASBU modules already implemented under ASBU block Zero and those factored under APIRG projects is therefore required to facilitate a joint review of the aggregated performances within the AFI region.
- 2.6 APIRG/23 meeting also agreed to the consultation by the Regional Offices on the modalities to the establishment of the AFI SSP Peer Review Mechanism as a means to complement the AFI Plan SSP Project with a view to further enhance and improve SSP implementation in the region.

- 2.7 Thus collaboration and coordination, being one of the Critical Success Factors to the establishment of regional performance management system, among States is of necessity since the expected benefits will include, but not limited to, the following:
- i. Increased compliance of States with their obligations under the Chicago Convention with respect to air navigation services, including requirements in: ATS, PANS/OPS, AIS, MAP, MET, CNS, SAR, SMS and QMS.
  - ii. Assurance on the continuous improvement of the safety and quality of air navigation services in the AFI region; and,
  - iii. Assurance of a minimum level of operational air navigation safety in States (no ANSP Left Behind);

### **3 ACTION BY THE MEETING**

- 3.1 The meeting is invited to encourage States to:
- i. Adopt performance data reporting & measurement culture and invest in data collection and management to monitor KPIs as part of performance framework for ASBU implementation especially for the agreed APIRG Projects.
  - ii. Establish a mechanism at regional level for sharing performance data collected under 3.1 (i) for bench marking purposes and as a basis for the review of regional priorities under the ASBU framework.