



**AFRICAN AVIATION  
TRANSFORMED**

# **CAPACITY BUILDING WORKSHOP ON AVIATION DATA**

**13 – 16 May – Dakar, Senegal**



**Workshop  
objectives**



# QUICK SURVEY



## CONTEXT

The aviation industry heavily relies on accurate, timely, and well-managed data for:

- Safety and security: ensuring air travel remains safe with reliable incident tracking;
- Operational efficiency: helping airlines and airports optimize routes, costs, and passenger experiences;
- Regulatory compliance: meeting ICAO and other international standards;
- Economic forecasting: developing flexible, scalable, and forward-looking national and regional aviation strategies;
- Supporting infrastructure investment.

## Challenges We Face Today

- Inconsistent data collection and reporting across different states.
- Lack of coordination in regional and international aviation data-sharing.
- Limited awareness of how data-driven decisions can transform air transport efficiency.
- Difficulties in standardizing aviation data submission processes.



## CONTEXT

AFCAC, as the central commission responsible for collecting, analyzing, publishing, and standardizing civil aviation statistics for its member states as prescribed in Annex 4 to the Yamoussoukro Decision, has been mandated to develop a mechanism to support the collection, submission, and frequent updates of statistics and air traffic forecasts through the integration of official reported data from different AFCAC member States and partners.

In line with this, AFCAC has established a Panel on the African Programme on Aviation Data (APAD) to provide comprehensive and reliable data on aviation in Africa.

The roles of APAD are :

- Develop methodologies to collect, process and analyze aviation data in Africa
- Develop long-term traffic forecasts and customization for African members States;
- Improve uniformity, timeliness and completeness of data
- Harmonize of data emanating from different sources
- Promote a platform for sharing aviation data



## WHY THIS WORKSHOP?

During this workshop, we will provide insights into best practices in aviation data management.

Experts and well-performing states will share their experiences and help us improve strategies.

Collaborative discussions will help identify practical solutions that can be implemented at national levels.

By the end of the workshop, participants will be equipped with the skills and knowledge needed to enhance aviation data collection and submission in their respective organizations.



# WORKSHOP OBJECTIVES

## **Enhance Data Collection & Submission Processes**

- Improve accuracy and consistency in aviation data reporting
- Reduce errors in data handling and submission procedures

## **Standardize Aviation Data Reporting**

- Align with ICAO requirements to ensure data reliability
- Develop common reporting frameworks across African states

## **Share Best Practices Among States**

- Learn from high-performing countries (Angola, Namibia, Côte d'Ivoire, Tanzania)
- Identify strategies that can be adapted

## **Develop Future Strategies for Sustainable Data Management**

- Create long-term policies to improve aviation data
- Ensure data systems support industry growth and regulatory needs





# KEY FOCUS AREAS

## **Understanding ICAO Statistics Forms**

- Accurate reporting & compliance
- Enhancing efficiency in data submission

## **Improving Aviation Data Management**

- Collection, storage, and analysis techniques
- Strengthening internal data processes

## **Collaborating at Regional & International Levels**

- Data-sharing platforms
- Insights from IATA & ACI Africa

## **Identifying Challenges & Solutions**

- Open discussions & experience sharing
- Practical recommendations for better data practices





# WHO WILL BENEFIT?

## **Civil Aviation Authorities**

- Improving data accuracy for regulatory compliance
- Enhancing coordination between stakeholders

## **Airlines & Airports**

- Optimizing operations through better data insights
- Strengthening reporting to enhance efficiency

## **Policymakers & Regulators**

- Using reliable data for aviation safety policies
- Improving international standards alignment

## **Data Analysts & IT Specialists in Aviation**

- Developing modern aviation data systems
- Using analytics for forecasting and decision-making

# THE WORKSHOP AGENDA





**DO NOT FORGET TO SIGN THE  
ATTENDANCE LIST!**

**THANK YOU!**  
**MERCI**



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**Project website: <https://easa-afcac.com>**