



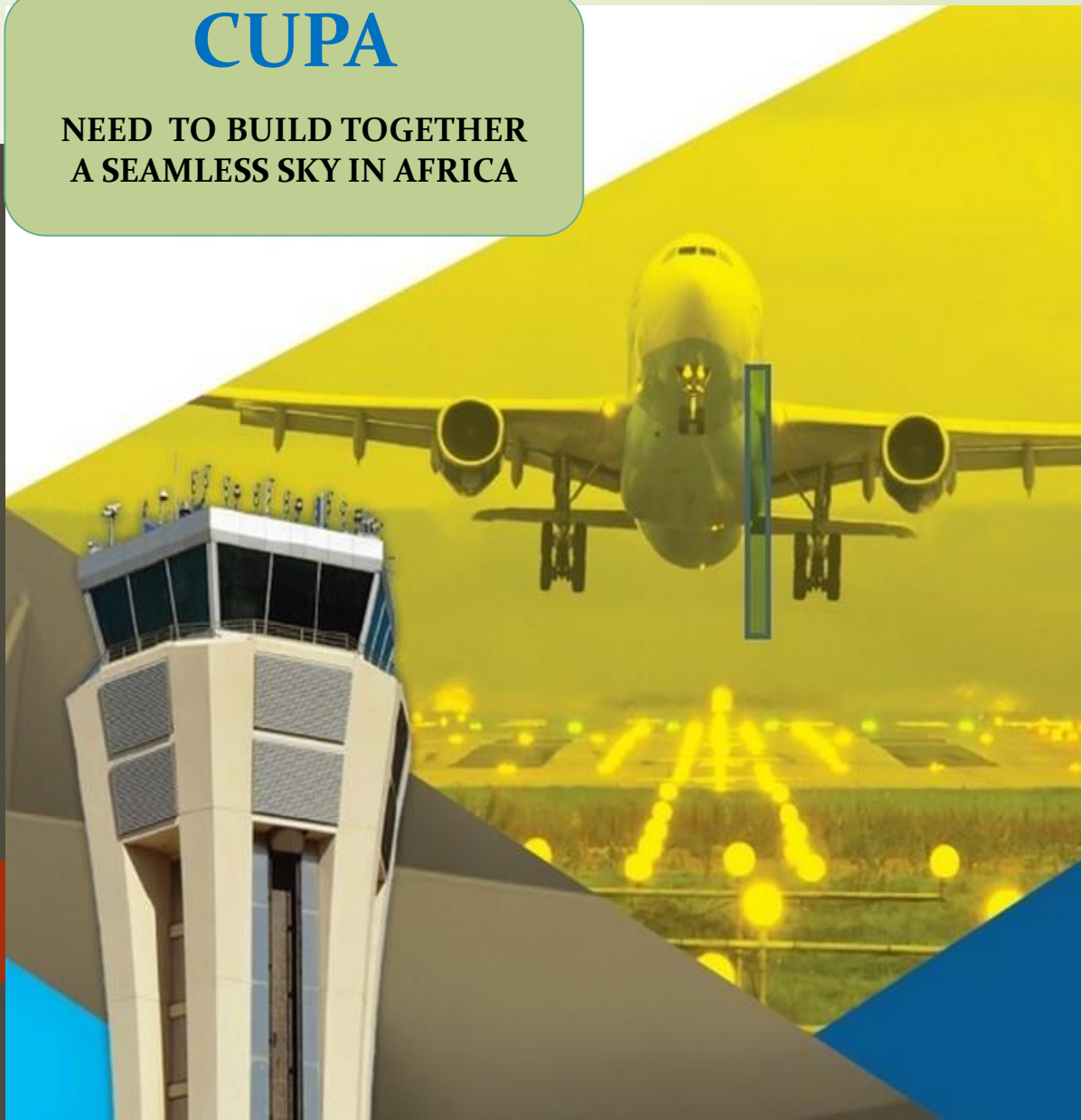
# CUPA

**NEED TO BUILD TOGETHER  
A SEAMLESS SKY IN AFRICA**

**AFI CONTROL :**

**The Cooperative  
Management of  
Airspaces**

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**AVIATION SYMPOSIUM IN AFI REGION ABUJA-NIGERIA 16-20 MAY 2022**



# AGENDA



1. INTRODUCTION
2. NEED FOR BUILDING TOGETHER A SEAMLESS OPERATION
3. KEY ELEMENT OF THIS PROJECT
4. WAY FORWARD
5. CONCLUSION



# PART 1: INTRODUCTION

## Goal of CUPA :

build a seamless sky in order to make air navigation in Africa more efficient and safer and thus contribute sustainably to the operationalization of the Single Air Transport Market (SAATM) to stimulate the economic and social development of the African continent.

## Initiative ASECNA

collaborative and inclusive approach of the entire AFI region taking into account the contributions of all States, air navigation service providers and other interested stakeholders to achieve and ensuring a high level of civil aviation performance on the African continent.

## The concept

creation of AFI CONTROL to harmonize air traffic management procedures in the region,  
strengthen the safety and efficiency of flights operations and reduce environmental impact,  
offer more connectivity at affordable tickets rates for Africa.

AFI CONTROL will be a pan African organization under the aegis of the AU based on ASECNA model





# **PART 2 : BUILDING TOGETHER A SEAMLESS MANAGEMENT OF AIR NAVIGATION WITHIN AFRICA**

**YEAR 2022 :**

AFRICA is 17% of global Citizen → less than 3% of global air transport



**YEAR 2050**

**50% of global Citizen of the world:**

## **WHAT AIR TRANSPORT FOR THAT POPULATION ?**

**SOLUTION:**

- 1/ Have a common vision of the importance of safety of air navigation to support air transport,
- 2/ This shared vision to be materialized by pooling together resources' and airspaces as well as technical, financial, and human resources.
- 3/ Harmonization of procedures

**BUILD:** Build Single African Air Transport Market SAATM in accordance with Yamoussoukro decision YD

**This harmonization will:**

strengthen the safety and efficiency of operations and reduce their environmental impact, offer, more connectivity at affordable rates for Africa to boost the social and economical development of our Nations



## PART 3 : KEY ELEMENTS OF THE SINGLE SKY

No Need for a new model,  
Update the current model of  
ASECNA at the continental level

limited resources, can not  
allow States individually to  
implement properly all the  
safety requirement from  
ICAO which is cost  
effectiveness.

Model based on pooling  
resource's and airspaces as  
well as technical, financial,  
and human resources,

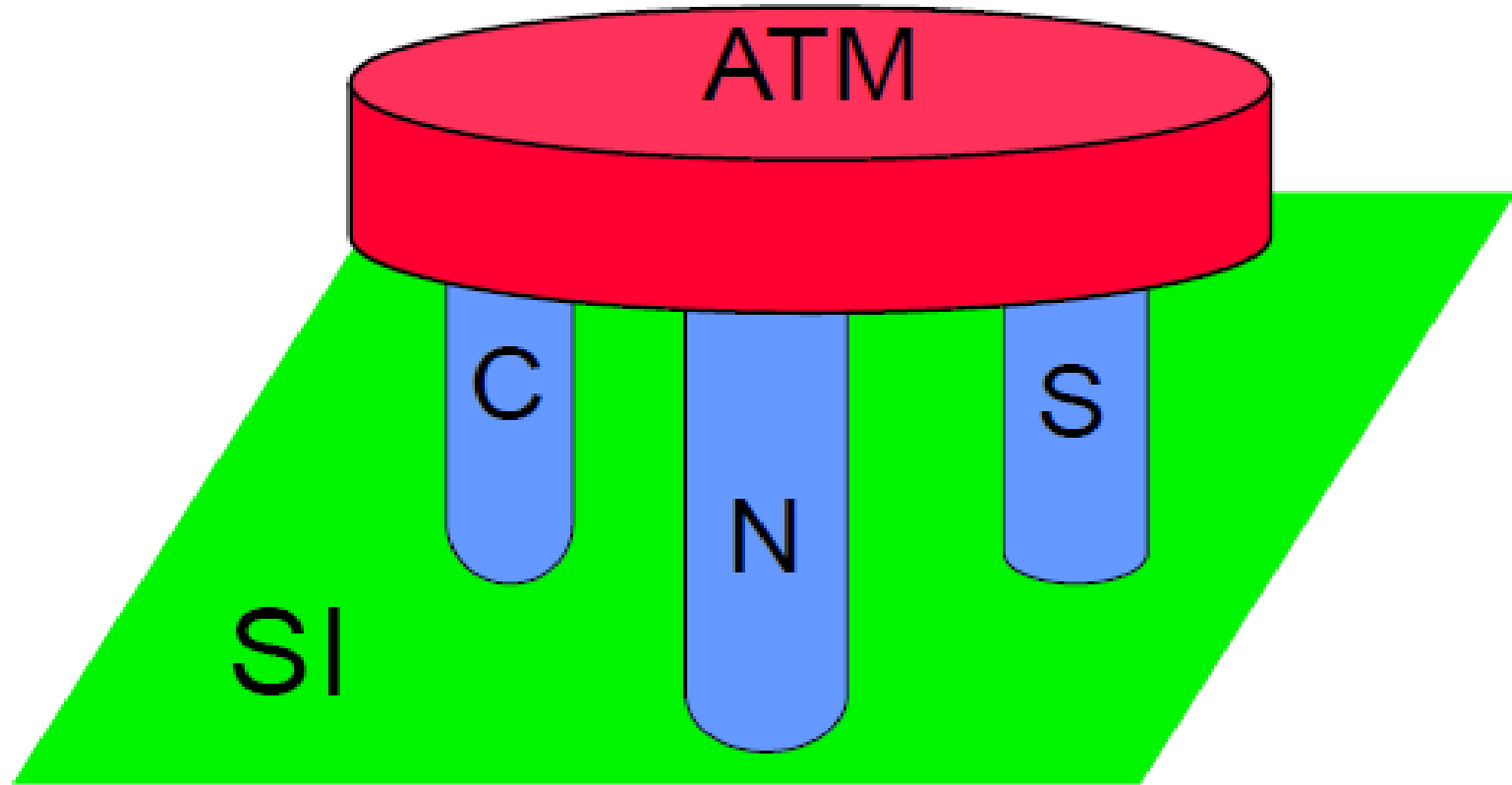
a governing mechanism that  
is participatory, inclusive,  
equitable and well-  
structured.

The management of such organization, which is  
multicultural and multifunctional, involves  
considerations such as Dialogue with States and  
employees, and requests the achievement of  
Efficiency, excellent governance body and  
continuously pursuit Higher Performance.

**SEAMLESS SKY**

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**KEY COMPONENTS OF ATM**



**Communication:**

**Navigation:**

**Surveillance :**

**ATM :**

**Satvoice-VHF-CPDLC**

**SBAS+ Minimum Operationnel Network**

**ADS-B - Radar-**

**Harmonization of procedures**





# PART 4 : WAY FORWARD

Today

## Radar Control

*Know* the current and  
*Estimate* the planned  
Aircraft positions



Tomorrow

## Trajectory Management

*Know and Share*  
the current and planned  
Aircraft positions



### Governance body :

Creation of AFI CONTROL CONVENTION under the aegis of African Union,  
A public international organization with legal personality and financial autonomy  
The convention and its annexes refer to the Chicago Convention and, as international instruments, they take precedence over the Domestic Laws of Africa Member States, in the areas they regulate.

### Responsibility of AFI CONTROL CONVENTION

The provision of en route air navigation services in the entire continental's airspace  
The organization of airspace and air routes in accordance with the needs of users and the relevant provisions of ICAO  
Aeronautical information management  
Forecasting and transmission of information in the field of aeronautical meteorology  
Provision of rescue and firefighting services at airports  
The definition of specifications relating to functions, systems and means, as well as the procedures and working methods to be put in place  
Studies, definition of specifications, purchase, acceptance, installation, technical verification, maintenance in operational condition, operation of equipment and installations, navigation communication systems, surveillance and air traffic management as well as aeronautical meteorology  
The establishment of a safety and quality management system in accordance with ICAO standards and recommended practices

# PART 5 : CONCLUSIONS

The implementation of a seamless sky for Africa may seem a complex activity, but in reality, it is already ongoing with some initiatives that exist

innovative and enabling technologies facilitate the pooling and interoperability of resources and allow harmonization.



The success key of this project is the willing of all African States to cooperate and pooling resource's together

Don't mind the duration before achieving the goal. It might apen with the new generation of professionals

The meeting is invited to set up a Task Force to propose the convention of the pan-African body AFI CONTROL and provide the Task Force with a clear roadmap with a binding schedule





# Thank you for your kind attention

