



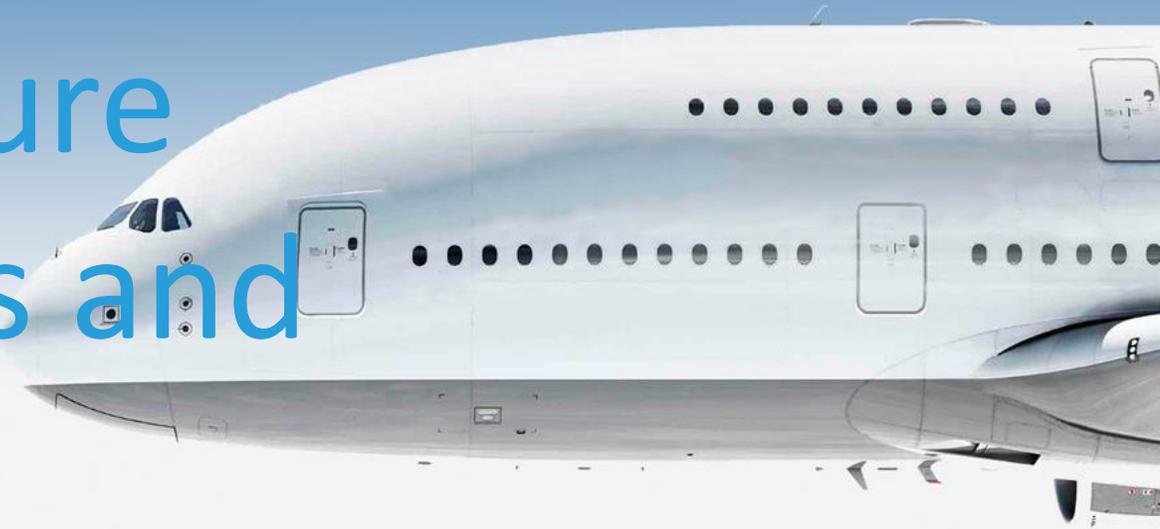
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AFI ATM Vision, Future Concept of Operations and Master Plan.



AFI Inter-Regional/State
ATM Coordination

28 June – 2 July 2021



BACKGROUND

- ▶ **APIRG 22 Conclusion 22/35** - AFI Seamless ATM system.
- ▶ **AAO SG/3 Decision 3/02** - Establishment of AFI ATM Master Plan Project Management Team (AAMP PMT).

To foster the development of the AFI ATM Vision, CONOPS and Master plan required to provide the roadmap for the implementation of a seamless AFI ATM system ;

1. AFI ATM regional Vision, and Concept of Operations
2. AFI Master ATM Plan
3. Infrastructure Strategy for Africa.



OBJECTIVE

Establish a common seamless ANS Framework ensuring Alignment with,

1. **GATMOC**
2. **GANP / ASBU / BBB**
3. **GASP.**
4. **Alignment with AFI Implementation roadmap in collaboration with AAO/SG, IIM/SG, States and Stakeholders**
5. **AFI CONOPS and Master Plan are expected to incorporate key elements from regional entities,**
 - ▶ African Union (AU), Regional Economic Commissions (RECs)
 - ▶ African Civil Aviation Commission (AFCAC)
 - ▶ Single African Air Transport Market (SAATM)



PROJECT TEAM

- ▶ Matthew Pwajok (Nigeria)
- ▶ James Davis (South Africa)
- ▶ Thomas Duopah (Ghana)
- ▶ Billy Diabasenga (D.R. Congo)
- ▶ Maxwanu Sarafina (Namibia)
- ▶ Collins Ochillo (Kenya)
- ▶ Protus Seda (IATA)
- ▶ Alain Gerard Ngoma-Mby (ASECNA)
- ▶ Gaoussou Konate (AFRAA)
- ▶ Ahmad Abba (IFATCA)
- ▶ Victor Oche (BAGASOO)
- ▶ Ananias Sichone (Zambia)
- ▶ Theophilus AGO (Ghana)
- ▶ Besa Makuka (Zambia)
- ▶ Ahmed Bolakale (Nigeria)
- ▶ Yassine El Charkaoui (IATA)
- ▶ Fateh Bekhti (IFATCA)
- ▶ Rosemary Kyalo (IFATCA)
- ▶ Ernest Gorou (ASECNA)
- ▶ Victor Ngandjiro (ASECNA)
- ▶ Boni Dibate (CANSO)
- ▶ Mischa Stiemert (Namibia)



AFI ATM Vision 2045





FUTURE CONOPS Considerations

- ▶ AFI ATM Vision 2045
 - ▶ Future Concept of Operations
 - ▶ Technological disruptors
 - ▶ Seamless ANS operations
- ▶ Technological advancement
 - ▶ Increasing demand
 - ▶ New Type of demand
 - ▶ New business models



AFI ATM VISION 2045 STRUCTURE

1. Current ATM Environment

- ▶ Airspace Organisation and management
 - ▶ PBN, CCO/CDO
 - ▶ ASBU
- ▶ Airport Operations
- ▶ Demand and Capacity Balancing
- ▶ Airspace User Operations
- ▶ Conflict Management
- ▶ Implementation Status



AFI ATM VISION 2045 STRUCTURE

2. Future Operating Environment

- ▶ Seamless ANS Operations
- ▶ Airport Operations
- ▶ Demand and Capacity Balancing
- ▶ ATM Service Delivery
- ▶ CNS Enablers
- ▶ Technology Roadmap



AFI ATM VISION 2045 STRUCTURE

2. CONOPS : Opportunities / Challenges

- ▶ Flight Operations in a digitally rich environment
- ▶ Time-based Operations
- ▶ Trajectory Based Operations
- ▶ Total Performance management systems focused on business needs
- ▶ Implementation Roadmap



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AFI ATM Master Plan





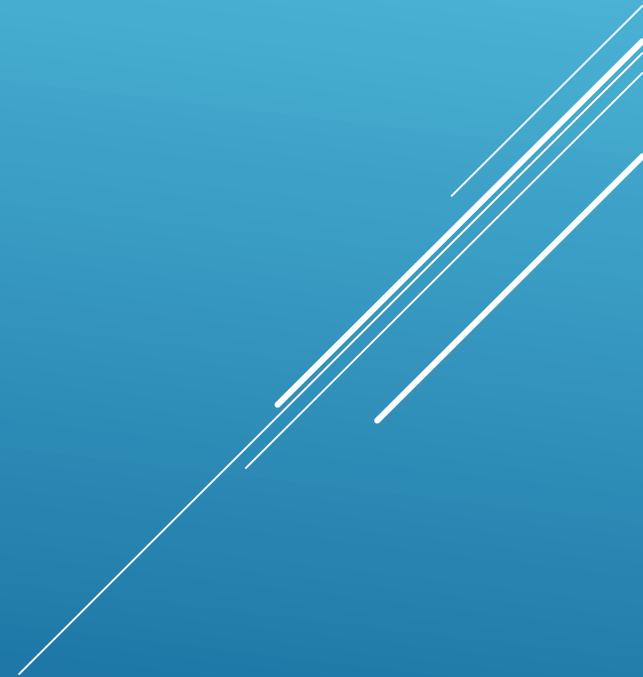
AFI ATM MASTER PLAN

- ▶ Traffic Flow Route Network
- ▶ Airspace Organisation
- ▶ Infrastructure Gap Analysis
- ▶ Cost benefit Analysis
- ▶ Technology Strategy
- ▶ Training Requirement
- ▶ Safety Plan
- ▶ Implementation Roadmap



PROJECT STATUS

AFI Vision and CONOPS	Status
ATM Service Delivery	In progress
CNS Enablers	In progress
Technology Roadmap	In progress
Future Operating Environment	In progress
ATM Implementation roadmap	In progress





PROJECT STATUS

AFI Master Plan	Status
Traffic Flow Route Network	In progress
Airspace Organisation	In progress
Infrastructure Gap Analysis	In progress
Technology Strategy	In progress
Training Requirement	In progress
Safety Plan	In progress
Implementation Roadmap	In progress



August 2021

**1. AFI ATM Vision 2045 and Future
Concept of Operations**

2. AFI ATM Master Plan





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- ▶ **AAO/SG 4**
- ▶ **APCC 6**
- ▶ **APIRG 24**



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THANK YOU

