

AFI Aviation symposium Industry Capacity & Efficiency Initiatives - IATA

Nairobi, Kenya . 22 AUG 2023

Presented by Protus Seda



Focus Africa- Operational efficiency, Resilience, and Sustainability

Focus Africa- Six Critical Areas

Six Critical Areas

"The limiting factors on Africa's aviation sector are... economic boost that a more successful African aviation... many economies already. With Focus Africa, stakeholders... areas that will make a positive difference. We'll measure success... accountable for the results," said Walsh.

The six focus areas are:

- **Safety:** Improve operational safety through... safety incidents and accidents, in the air and...
- **Infrastructure:** Facilitate the growth of efficient... infrastructure to improve customer experience and...
- **Connectivity:** Promote the liberalization of in... African Air Transport Market (SAATM).
- **Finance and Distribution:** Accelerate the... efficient financial services and adoption of m...
- **Sustainability:** Assist Africa's air transport industry... emissions targets agreed to by industry and the ICAO member states.
- **Future Skills:** Promote aviation-related career paths... and suitably skilled talent to meet the industry's future...



Infrastructure & Sustainability

- Operational efficiency
- Resilience (business continuity)
- Sustainability
 - Environmental (Fly NetZero 2050)
 - Financial (cost-effectiveness)

Focus Africa- Operational efficiency, Resilience, and Sustainability

Air Navigation Capacity and Efficiency: Industry Capacity and Efficiency initiatives



- Free Route Airspace (FRA)
- ATM/CNS Infrastructure/systems
- ATFM/A-CDM (scalable)
- SUA/FUA (Civil-Military Coop.)
- OVFC permissions
- OPMET
- En-Route/Destination Alternate



- Civil Unrest
- Military
- Industrial Action
- Weather phenomenon
- OVFC permission (CCE)
- AIM timely, accurate , accessibility



- Environment Fly Net Zero 2050
- User Charges vs fuel costs
- Financial sustainability
- route optimization
- flight profile
- Other fuel savings initiatives

Focus Africa- Operational efficiency, Resilience, and Sustainability

Air Navigation Capacity and Efficiency: Industry Capacity and Efficiency initiatives

1. U-Talk 2035 (air-ground communication)

2. ATFM (flow management)

3. Resilience (Contingency Plan)

Focus
Africa
ANS
Projects

Focus Africa- Operational efficiency, Resilience, and Sustainability

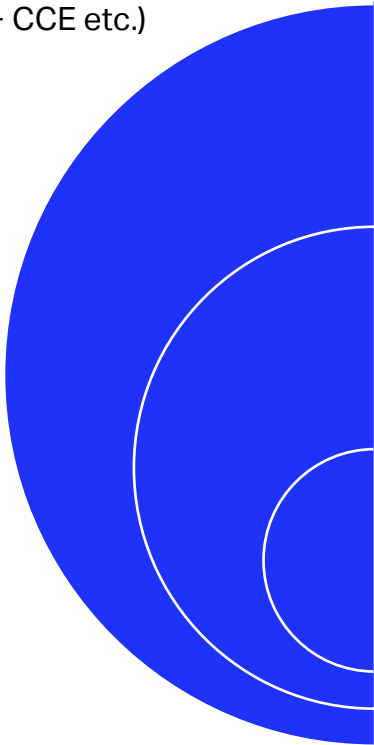
Air Navigation Capacity and Efficiency: Industry Capacity and Efficiency initiatives

OPERATIONAL EFFICIENCIES | CHALLENGES

- Persistent Air Navigation Services (ANS) issues & challenges
- Need for synergy and cohesiveness to resolve ANS deficiencies
- Air-ground communication is critical to improved operational efficiencies
- Business recovery & resilience mechanism/systems (ATFM, A-CDM, CP + CCE etc.)
- Resources + costs containment strategies

DISCUSSION POINTS | INFO SHARE | BRIEF

- FP-DCTs transitioning to Free Route Airspace (FRA)
- ATM/CNS infrastructure/systems improvements
- ATFM/A-CDM implementation
- Civil-Military coordination to support airspace optimization
- OVFC permissions (equipment flexibility & airspace avoidance)
- OPMET unavailability impact fuel uplift
- Contingency Coordination plans + Events (several FIR restriction)
- En-route/ Destination alternates selection process
- **U-Talk 2035 | Air-Ground communication coverage**
 - Critical ANS element & a challenge to efficiency in Africa
- **ATFM**
 - En-route ATFM | support efficiency | intertwined with A-CDM
 - Support business continuity & resilience in case of disruptions
- **AIM**
 - Timely, accurate, accessible
- **Operational Resilience**
 - Contingency plans & Contingency management



Efficiency	<ul style="list-style-type: none">• ATFM (scalable)• A-CDM (scalable)• Free Route Airspace (FRA)• ATM/CNS Infrastructure/systems• SUA/FUA (Civil-Military Coop)• OVFC permissions• OPMET• En-Route/Destination Alternate selection
Resilience	<ul style="list-style-type: none">• Civil Unrest• Military• Industrial Action• Weather phenomenon• OVFC permission (CCE)• AIM timely, accurate , accessibility
Sustainability	<ul style="list-style-type: none">• Environment Fly Net Zero 2050• User Charges vs fuel costs• Financial sustainability• route optimization• flight profile• Other fuel savings initiatives

NEXT STEPS

- Collaboration with stakeholder to deliver on the Focus Africa projects



