

# AFI Aviation symposium Industry Capacity & Efficiency Initiatives - IATA

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**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 int... African Air Transport Market (SAATM).
- **Finance and Distribution:** Accelerate the... efficient financial services and adoption of m...
- **Sustainability:** Assist Africa's air transport indust... emissions targets agreed to by industry and... (ICAO) member states.
- **Future Skills:** Promote aviation-related career pa... and suitably skilled talent to meet the industry's futu...



## Infrastructure & Sustainability

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

<https://www.iata.org/en/pressroom/2023-releases/2023-04-03-01/>

# Focus Africa- Operational efficiency, Resilience, and Sustainability

## Air Navigation Capacity and Efficiency: Industry Capacity and Efficiency initiatives



Efficiency

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



Resilience

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



Sustainability

- 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

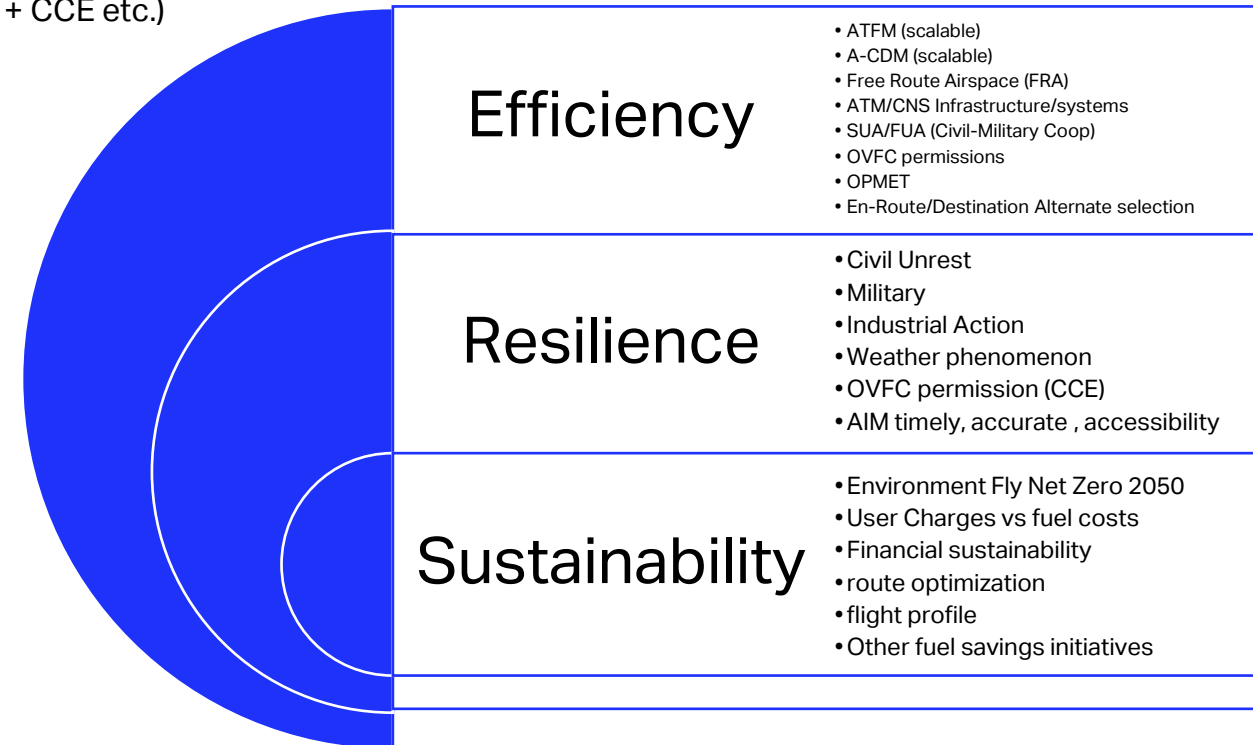
## Air Navigation Capacity and Efficiency: Industry Capacity and Efficiency initiatives : Summary

### 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 FRA (Free Route Airspace)
- 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 (FIR restriction)
- En-route/ Destination alternates selection process
- **U-Talk 2035 | Air-Ground communication coverage**
  - Critical ANS element is 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



### NEXT STEPS

- 5 • Collaboration with stakeholder to deliver on the Focus Africa projects



A large commercial airplane is positioned on a runway at night, viewed from a low angle looking down the center of the runway. The runway is illuminated by a central line of bright yellow lights that recede into the distance. The airplane's landing gear and wings are visible, and the background shows airport lights and a dark sky.

Thank You!

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