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Air Traffic Organization



# **Communications/Navigation/ Surveillance and Air Traffic Management in Africa**

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# 2014/2015: A Year in Review

- **Increased Focus on Air Navigation**
  - Held Air Traffic Safety Oversight Workshop in March 2015
  - Participated:
    - IATA Regional Coordinating Group (RCG)
    - IATA Air Traffic System Incident Analysis Group (AIAG)
    - ICAO Technical Action Group (TAG)
  - Conducted site visits to air traffic facilities in Cape Verde and Senegal
  - Met with ASECNA, ICAO WACAF/ESAF, AFPP
  - Promoted Civ/Mil Integration
- **Continued Technical Assistance with Aviation Safety**
  - Provided on-site airworthiness and operations inspectors for the CASSOA region
  - AMERCA conference – April 2015
- **Continued Technical Assistance – Aerodromes**
  - Aerodrome Emergency Management Workshop – Senegal, June 2014 ;
  - Aerodrome Emergency Management Workshop– South Africa, Sep 2014;
  - ACI APEX airport voluntary evaluations in Gabon and Burkina Faso
- **Training Provided**
  - Surveillance Course in Ghana: February 2015
  - Radar approach control course for Rwanda CAA: April/May 2015
- **FAA/Cape Verde CAA agreement on IASDEx Cooperation: October 2014**
- **US –South Africa Aviation Forum: The Future of Aviation Leadership – March 2015**
- **Support of the first-ever West African Air Show in Senegal – December 2014**
- **Participation on the USG Interagency Ebola Initiatives**



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# Overview

- **FAA Air Traffic AFI Strategy**
- **Communications and Surveillance**
- **Civil / Military Integration**



# FAA African Air Navigation Initiatives

- **Goal and Objectives**
  - Seamless Global Operations
  - Harmonize Standards for CNS/ATM Technologies and Procedures
  - Targeted Outreach
  - Technical and Operation Support
- **1 Year of engagement**
- **Build on IATA/ICAO work**
  - In Flight Broadcast Procedures (IFBP)
  - AIAG/RCG/TAG
  - Controller Pilot Data Link Communications (CPDLC)
  - Automatic Dependent Surveillance-Contract (ADS-C)
- **Targeted Outreach**
  - AOV Oversight Course
  - Dakar – Cabo Verde Visit
  - SAT Group



# Communications and Surveillance Areas of Interest

- Communications
  - CPDLC (AIDC / OLDI Links)
  - VHF
- Surveillance
  - ADS-C
  - Radar



# Communications and Surveillance Recommendations

- GOLD Workshop
- Enhanced Air Traffic / Pilot Error Monitoring and Scrutiny
- Central Monitoring Agency



# Civ/Mil Integration

- Engage with US Department of Defense
  - AFRICOM
  - AF Africa
  - SOCOM
- World Food Program Engagement
- Key Topics of Discussion
  - Airfield Safety
  - UAS Integration
  - Airspace Management



# Summary / Next Steps

- Continue FAA participation in CNS/ATM Groups in Africa
- GOLD Workshop
- Prepare APIRG Paper to establish Incident Investigator's Course
- Establish a Central Monitoring Agency





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# Questions?