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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**



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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



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Communications and Surveillance Areas of Interest

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



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Communications and Surveillance Recommendations

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



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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



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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?