

ICAO AFI Aviation Safety Symposium

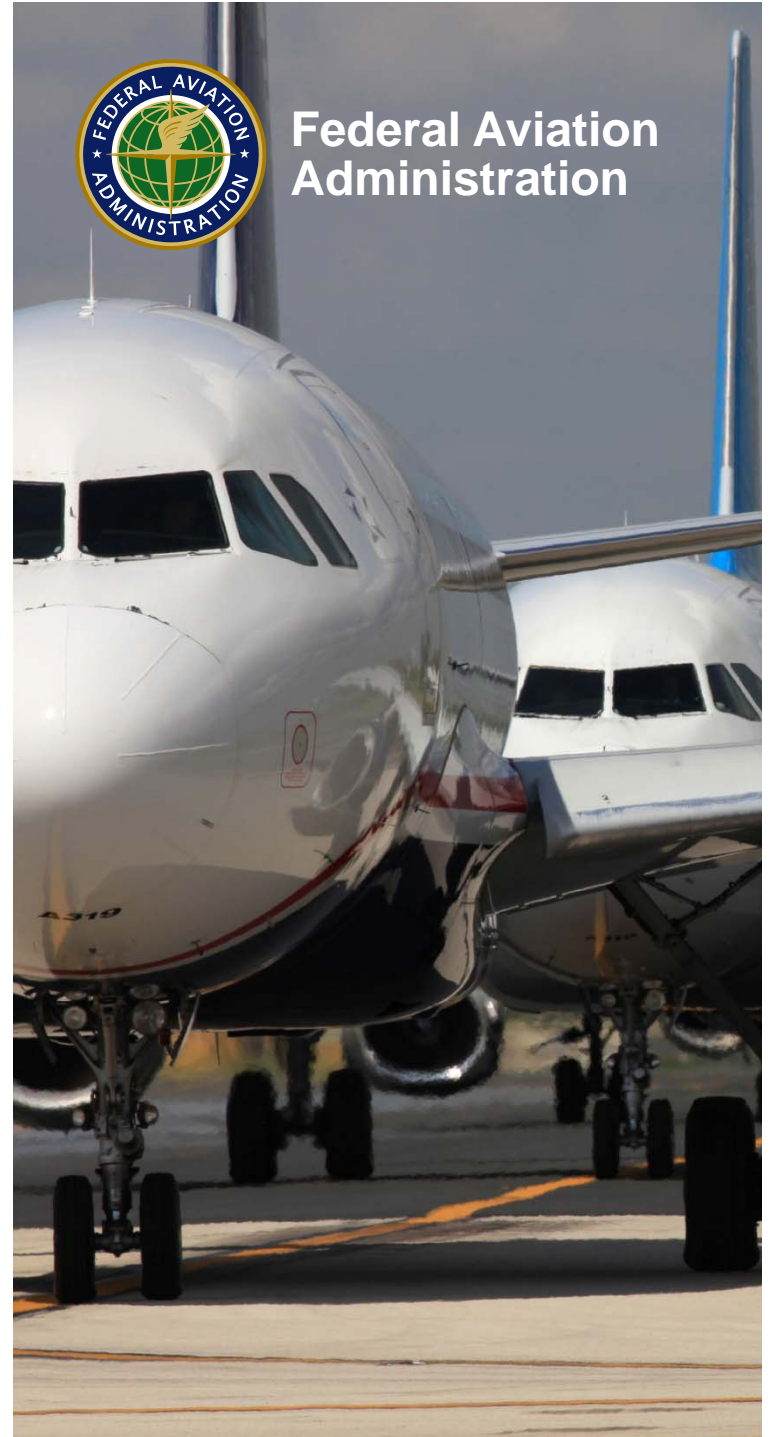
*Session 2- Efforts by aviation
partners to support the
improvement of aviation safety
and air navigation performance?*

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Date: May 27, 2014



Federal Aviation
Administration



Goals for International Engagement

- **Develop partnerships with the aim of steadily improving the safety of air traffic services and air traffic management through independent oversight**
- **Harmonize standards and procedures**
- **Promote risk-based oversight**
- **Promote data collection, exchange, and data-driven decisions**
- **Promote a non-punitive safety culture**



Broad Areas of ATM Oversight required by ICAO

- Air traffic control services
- Safety personnel including ATCS and Technicians
- Flight procedures and flight inspection
- Communication, Navigation, and Surveillance services
- Aeronautical Telecommunication services
- Meteorological services
- Aeronautical Information Services and Aeronautical Information Management
- Cartographic services

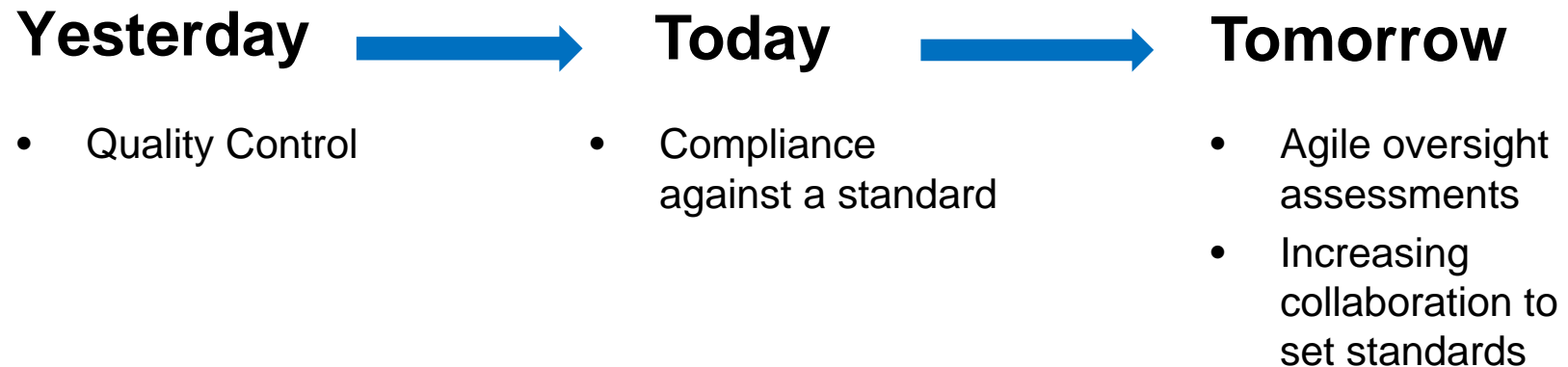


Establishing a new oversight organization (Critical Elements 1 and 2)

- **Legal underpinnings of authority**
- **Establishing an organization (position descriptions, etc.)**
- **Establishment of a base-line to begin oversight**
- **Transferring responsibilities from the existing service provider to the oversight organization so there is no disruption to the national airspace**



AOV's Regulatory Continuum



Raising the safety bar



Establish personnel qualifications and training (Critical Elements 4, 5 and 6)

- **Air Traffic Safety inspector training and certification**
- **Air Traffic Controller and technician licensing/Credentialing**



Risk-Based Surveillance (Critical Elements 7)

- Risk management
- Set performance indicators
- Mandate reporting
- Conduct risk-based audits
- Focus monitoring efforts (systematic)



Resolution of Safety Concerns

(Critical Element 8)

- **Compliance Philosophy**
- **Strategies for getting voluntary compliance**
- **Set Standards**
- **Work with service providers and carriers**
- **Partner with neighboring oversight authorities**
 - Data sharing, standards, indicators and requirements



Strategies for overseeing large organizations

1. **Require ANSPs to use a safety management system (SMS) approach to safety**
2. **Require unfettered access to ANSP**
3. **Focus activities on risk (likelihood and severity)**
4. **Identify Safety Issues**
5. **Encourage a safety culture**
6. **Exploit all resources**



Opportunities to support the improvement of ATM safety

- **The FAA's Air Traffic Safety Oversight Service (AOV) conducts and administers all its own training**
- **AOV can offer a familiarization seminar on strategies for managing an effective ATM oversight organization**
 - 30 hours of material



Questions?

