

FAA Aviation Safety “AVS View on V&V”



Presented by:
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AVS Acquisition Executive Board (AEB) Member

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Federal Aviation
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Topics

- **Brief Overview of AVS Organization**
- **Update on the AVS Acquisition Program Management Office (AVS APMO)**
- **AVS View on V&V**
- **Fostering V&V Discipline Within AVS**
- **AVS Point of Contact**
- **Conclusion/Questions?**



Service Description

The Aviation Safety (AVS) organization promotes safety in the interest of the American public and the millions of people who rely on the aviation industry for business, pleasure, and commerce



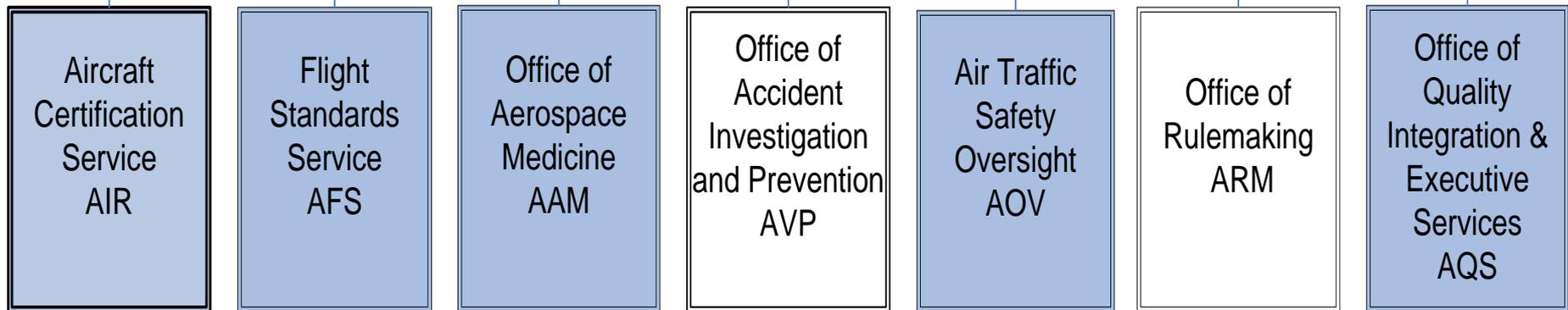
"All the moving parts of the National Airspace System come through AVS"

We are the gate keepers of aviation safety and bring life to the system

AVS Organization



Associate Administrator, AVS-1
Peggy Gilligan
Deputy Associate Administrator,
AVS-2
John Hickey



Over 7,000 Employees dedicated to Aviation Safety



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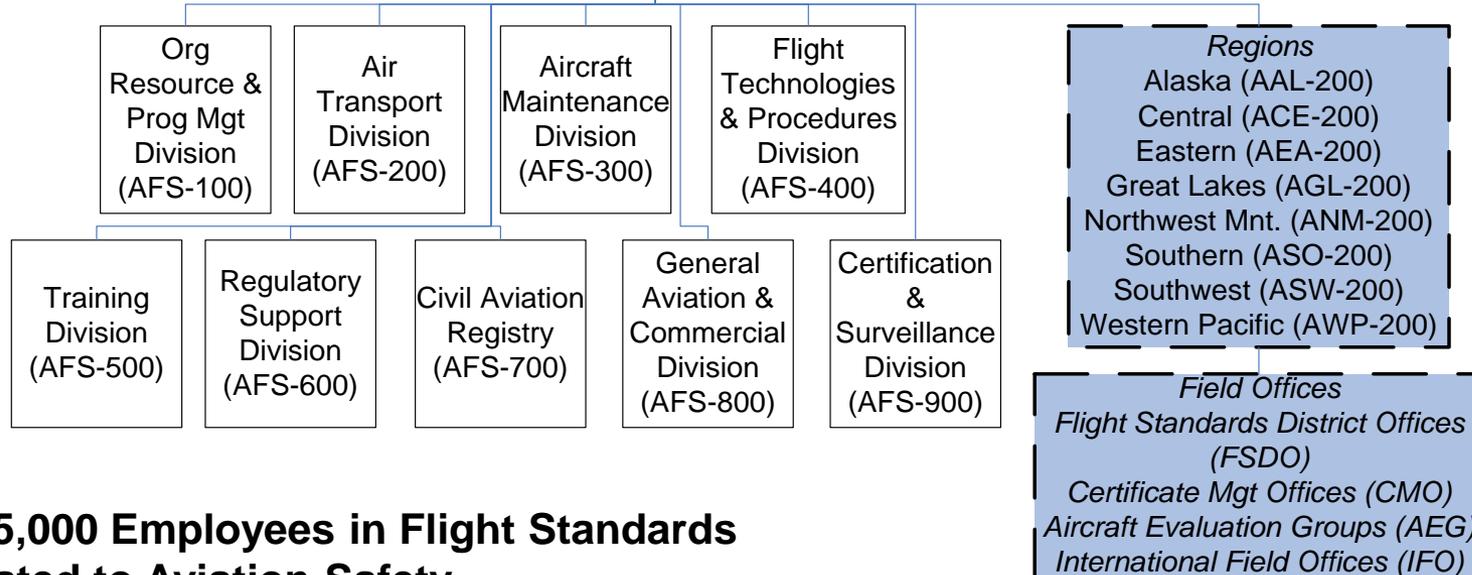
Flight Standards Service (AFS)



Director, AFS-1
John Allen
Deputy Director, Flight Standards Policy
John McGraw, AFS-2P
Deputy Director, Flight Standards Field
Operations, Ray Towles, AFS-2F



System Approach for Safety Oversight Program Office, AFS-30
Quality Assurance Staff, AFS-40
International Programs & Policy Division, AFS-50



**Over 5,000 Employees in Flight Standards
dedicated to Aviation Safety**



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AVS Acquisition Program Management Office

- **AVS-1 signed a charter to establish the AVS Acquisition Management Office or APMO on July 28, 2009**
 - Places AVS in a better position to corporately manage AVS acquisitions programs
 - Provides timely, consistent, and corporate guidance on Acquisition Management System (AMS) and Office of Management and Budget (OMB) policies to AVS acquisition management community, users and stakeholders
 - Communicating and educating the AVS community on current and future changes in a more corporate fashion
- **AVS APMO Lead - Laurie Camilien-Pietrak**
- **Results!**
 - For the first time, AVS Acquisition Workforce information was included in FAA Acquisition Workforce Plan published June 2010



AVS View of V&V

- **V&V is everyone's responsibility**
- **V&V is not new- it is vital for our oversight mission and fostered throughout our organizations**
 - Certification
 - Inspections and Investigations
 - Surveillance
 - Rulemaking and Enforcement
- **V&V through oversight of Airline Manufacturers and the Air Traffic Organization**
 - Setting regulations and standards
 - Audits and analysis
 - Use of required checklists
 - Discussions with users and user surveys for improvement, etc
- **V&V should be performed up front and managed throughout the AMS life cycle**
 - Advanced planning and decision support tools ensure that we make informed and better decisions



Fostering V&V Disciplines Within AVS (Cont.)

- **Closely manage AVS activities and products to ensure they receive quality review early in the acquisition process**
 - Enterprise Architecture Review (EA) of AVS acquisition programs
- **Ensuring acquisitions are developed according to requirements, standards and guidelines**
 - Required AMS artifacts for AVS acquisition programs to support investment decisions
- **Ensuring review by subject matter experts with diverse skill sets to ensure a well built product**
 - Regulation and Certification Infrastructure for System Safety (RCISS) tablet and IT infrastructure as well as ensuring regular communication among AVS portfolio programs (Systems Approach for Safety Oversight SASO, Aviation Safety Knowledge Management Environment (ASKME))



Fostering V&V Disciplines Within AVS (Cont.)

- **Establishing a focal point via the AVS APMO within AVS to assist in the corporate management of AVS acquisition programs and related activities**
 - To more effectively address emerging policies from the AEB and changes in AMS
 - To facilitate timely provision of AVS inputs/data to the FAA acquisition management community and stakeholders
- **Ensuring corporate compliance with current and future OMB and AMS policy and guidance (such as OMB IT Dashboard AVS Programs, V&V and Earned Value Management/EVM)**



Fostering V&V Disciplines Within AVS (Cont.)

- APMO
 - Places AVS in better position to manage V&V within AVS
 - Provides validation of AVS AMS required products by conducting V&V analysis utilizing approved templates, policy, and guidance documents
 - Ensures that AVS members on decision boards are well informed
- AVS Acquisition Programs such as SASO, ASKME, RCISS provide V&V of AVS oversight functions by providing business process reengineering decision support tools to support certification, investigation and surveillance to incorporate System Safety



AVS Point Of Contact

- **Laurie Camilien-Pietrak, AFS-6**
 - Senior Technical Advisor and Lead of AVS Acquisition Program Management Office (AVS APMO)
 - Phone: 202-493-5165
 - Email: laurie.camilien-pietrak@faa.gov
 - Alternate AVS AEB member
 - AVS Member of the FAA Acquisition Workforce Council



Questions

