

FAA Aviation Safety (AVS) Role in V&V



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Federal Aviation
Administration



Topics

- **Brief Overview of AVS Organization**
- **Why AVS Should Participate in V&V**
- **Setting the Stage for AVS V&V Activities**
- **Introducing the AVS Acquisition Management Office (APMO)**
- **AVS Role in V&V**
- **Lessons Learned**
- **Conclusion**

Service Description

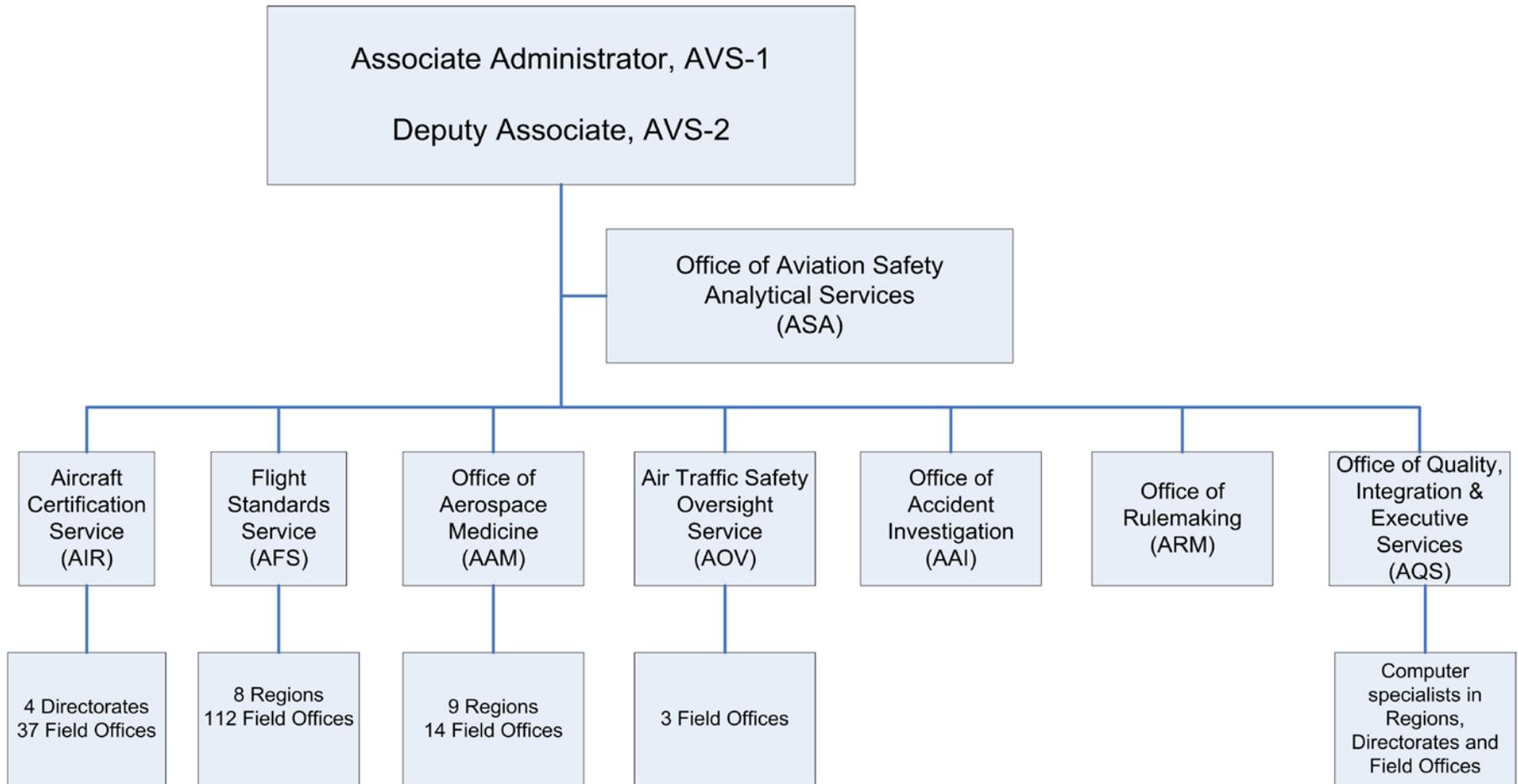
The Aviation Safety (AVS) organization promotes safety in the interest of the American public and the millions of people who rely on the aviation industry for business, pleasure, and commerce.



*"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*

FAA Aviation Safety Organization



Over 7,000 Employees in Aviation Safety — ASA and AAI are now combined into one office. AVS org chart is being updated.

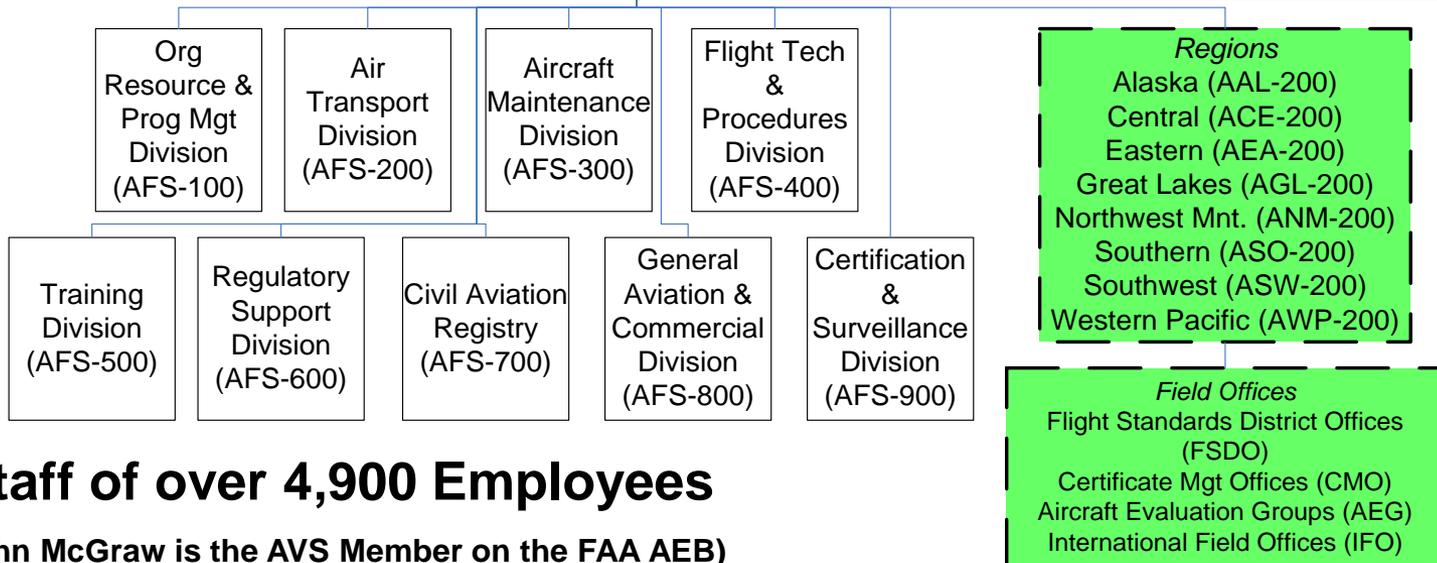
Flight Standards Service (AFS)



Director, AFS-1
John Allen
Deputy Director, Flight Standards Policy
John McGraw
Deputy Director, Flight Standards Field
Operations, Douglas Dalbey



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



Staff of over 4,900 Employees

(John McGraw is the AVS Member on the FAA AEB)



Why AVS Should Participate in V&V

- **V&V effort is a corporate**
 - Non-ATO organizations like AVS should actively participate
- **V&V will be part of Acquisition Management System (AMS) policy and AVS will be required to follow it**
 - V&V is vital to any product or activity in which AVS engages now and in the future and ensures successful outcome at the end
 - V&V ensures that whatever we produce can be used as a good basis for effective and successful decisions
 - Consistent V&V on any product saves time, money and increases efficiency and productivity
- **AVS wants to utilize best acquisition practices such as V&V – done at the very beginning of life cycle management to help ensure a common, structured approach to acquisition program management**
- **Bottom Line: V&V is a basic foundation of anything we produce or develop. Project Management 101. The smart thing to do!**



Setting the Stage for AVS V&V Activities

- In order for AVS to be ready to embrace this corporate philosophy we will
 - establish a **venue to corporately manage** AVS acquisition programs in a more effective way to address emerging policies from the AEB and changes in AMS
 - ensure **corporate compliance** with current and future OMB and AMS policy (V&V) and guidance
 - provide **consistent and corporate guidance** on AMS and OMB policies to AVS acquisition management community, users and stakeholders
 - **communicate and educate** AVS community on current and future changes in AMS in a more corporate fashion



Introducing the Acquisition Management Office

- On July 28, 2009, the Associate Administrator for Aviation Safety (AVS-1) signed a charter to establish the AVS Acquisition Management Office or APMO
- The APMO places AVS in a better position to corporately manage AVS acquisitions programs and the various V&V activities that will be required as a result of AMS Changes
- APMO responsibilities include but not limited to the following
 - Provide AVS with a corporate body that will ensure that both current and future AVS acquisitions programs and activities comply with the Office of Management and Budget (OMB) guidance and with FAA Acquisition Management System (AMS) policy and guidance.
 - Ensure compliance with such requirements and provide 'one voice' within AVS relating to AMS, OMB and AEB guidance
 - Assist in communicating consistent and timely information to the AVS acquisition management community and stakeholders
 - Support AVS leadership on activities relating to Investment Decision Authority (IDA) such as JRC, AVSMT, ITEB, etc), AVS briefings to JRC and related meetings and reviews of AMS documentation
- **Note:** We are developing a program plan for the APMO. We are also expediting completion of that plan.



AVS Role in Verification and Validation (V&V)

- **Ensure AVS compliance with V&V policy**
- **Ensure that V&V is planned well in advance in our AMS planning documents and throughout a product's life cycle**
- **Participate in investment analysis / business case development and “V&V’ing” key required products that lead, for example, to effective Safety Risk Management Documents (SRMDs)**
- **Support the AEB and Acquisitions Systems Advisory Group (ASAG) in incorporating V&V in AMS policy**
- **Promote, communicate, encourage use of quality V&V in AVS acquisitions planning, implementation and deployment of safe systems into the NAS**



Lessons Learned from AVS?

- **V&V is still new to AVS**
 - No lessons learned at this time
- **Any lessons learned to Share with AVS**
 - Especially organizations who have worked in the past and/or continue to work with AVS



AVS Point Of Contacts

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End of Presentation

QUESTIONS OR COMMENTS?

