

"Inspectors will always have the opportunity to go out and look at the plane, but now the environment is leaning towards more targeted inspections."

- CFR Part 145 Inspector

- ▶ Reduce emphasis on administrative requirements, allowing for greater focus on safety oversight
- ▶ Consolidation of support applications and databases
- ▶ Increase information sharing with carriers regarding safety and oversight, common tools will be used by Industry and FAA
- ▶ Skills required to support the new environment will be identified and supported; training will be timely and valuable

How is SASO Different?

- ▶ SASO is shaped by lessons learned from past large-scale initiatives
- ▶ SASO integrates with other AVS programs and initiatives
- ▶ SASO has been developed in partnership with the field and industry
- ▶ SASO is using pilot projects to assess, validate, and adjust before launching full scale implementation

SASO Contact Information

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Get involved and forward your
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Visit SASO's updated website for detailed program overviews,
current activities, and reference materials at:

http://www.faa.gov/safety/programs_initiatives/oversight/saso/



Federal Aviation
Administration

SASO

System Approach for Safety Oversight



PILOT PROJECT 145 *Repair Station Certification*

Inside this brochure:

- What is SASO?
- SASO & CFR Part 145
- Accomplishments
- Pilot Project Activities
- Planning & Timeline

What is SASO?

The System Approach for Safety Oversight (SASO) Program is an AVS initiative to transform the Flight Standards Service. (AFS) and the aviation industry to a national standard of system safety.

The Goal of SASO

Embed system safety principles in oversight activities across all CFR parts and develop the technologies to support the processes.

Why is SASO Needed?

As we enter the 21st century, AFS finds itself facing the dual challenges of increasing air traffic and declining budgets. The FAA budget will not increase at the same rate of U.S. airline passenger traffic from 2005-2016. In order to reduce accidents while effectively managing resources, AFS must change the way it does business to achieve its goals. Oversight processes must evolve to reflect the rapidly changing aviation environment.

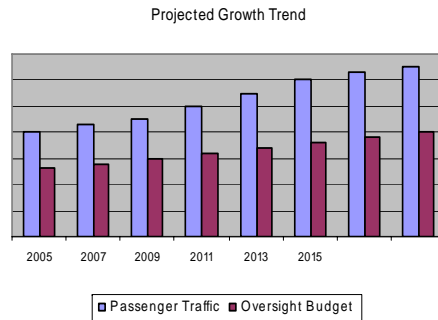
Who Manages SASO?

SASO is managed by the SASO Program Office (AFS-30) within the FAA's Flight Standards Service (AFS).

SASO & CFR Part 145 Pilot Project

In January 2005, three SASO Pilot Projects were requested by the FAA Chief Financial Officer, during the SASO Phase I JRC 2(b) Review, to provide interim milestones throughout SASO Phase I that could be used to evaluate progress and demonstrate early successes in the development of a national standard of system safety.

The second project, the SASO CFR Part 145 Pilot Project, was established to design, develop, and demonstrate a standard system safety based oversight system for all CFR Part 145 repair stations. Leveraging lessons learned from the CFR Part 121 Pilot Project, the 145 Pilot Project will focus on developing an effective oversight system for part 145 repair stations that aligns with SASO principles. Work on the part 145 Pilot Project was initiated in late May 2006.



What has SASO accomplished within the CFR Part 145 Pilot Project?

- ▶ Conducted field visits to FSDOs and Industry to collect "As-Is" data.
- ▶ Developed process models depicting key roles, workflow, policies, procedures, and tools associated with CFR Part 145 certification and surveillance.
- ▶ Validated "As-Is" process maps to ensure accuracy and use of best practices.

Key Pilot Project Activities

- ▶ Reviewing Part 145 "As-Is" data collected in field visits and converting process models from iGrafx to ProVision
- ▶ Developing approach to mitigating communications obstacles for CFR Part 145 communications efforts
- ▶ Designing end-state system while working with AVS and FAA to integrate systems

Pilot Project Objectives

- ▶ Design, develop, and pilot an oversight system for CFR Part 145 repair stations that fulfills the SASO principles
- ▶ Provide appropriate tools to support business processes
- ▶ Promote greater efficiency and effectiveness for CFR Part 145 repair station oversight
- ▶ Identify key barriers to change and develop strategies for mitigating these barriers
- ▶ Effectively implement changes within the oversight system

Pilot Project Timeline

- ▶ **Phase I: Planning & Engineering**
 - Develop CFR Part 145 Pilot Project Plan
 - Develop and Validate CFR Part 145 Requirements
 - Conduct "As-Is" and Gap Analysis
 - Prepare "To-Be" Requirements
- ▶ **Phase II: Implementation**
 - CFR Part 145 Software Requirements & Design
 - CFR Part 145 Software Development & Testing
 - CFR Part 145 Training Development & Transition
- ▶ **Phase III: In-Service Management**
 - Continued operation, maintenance, and improvement of AFS system safety