



# SASO Fact Sheet

SYSTEM APPROACH FOR SAFETY OVERSIGHT

## Pilot Project 145 Accomplishments

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

## Pilot Project 145 Timeline

### Phase I: Planning & Engineering

- Develop Pilot Project Plan
- Develop and Validate CFR Part 145 Requirements
- Conduct "As-Is" and Gap Analysis; and 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 improvement and maintenance of AFS system safety

## SASO & CFR Part 145 Pilot Project

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

In January 2005, three SASO Pilot Projects were requested to provide interim milestones throughout SASO Phase I. 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 CFR Part 145 Pilot Project will focus on developing an effective oversight system for CFR Part 145 repair stations that aligns with SASO principles. Work on the CFR Part 145 Pilot Project was initiated in late May 2006.

### SASO: A four part approach

Transformation to a system safety approach will require efforts in:



- **Business Process Re-engineering**  
Changing the work that AFS personnel perform to incorporate system safety
- **Change Management**  
Understanding and responding to the attitudes and behaviors of AFS personnel as they embrace a new way of doing business
- **System Alignment**  
Changing existing AFS computer systems to support the new way of doing business
- **Enterprise Integration**  
Making sure that the new way of doing business meets AVS requirements

### Project Goals

The overall goals of Pilot Project 145 are:

Pilot Project Goals	
The SASO Program Office will achieve these goals by conducting detailed BPR process modeling and CMI activities to document the "As-Is" (or current) state and using the information to design an optimal "To-Be" state for FAA's part 145 oversight activities.	Design, develop, and pilot an oversight system for part 145 repair stations that fulfills the principles of SASO
	Provide the appropriate tools to support the business processes
	Promote greater efficiency and effectiveness for part 145 repair station oversight
	Identify key barriers to change and develop strategies for mitigating these barriers
	Effectively train and implement changes within the oversight system



# SASO

*Frequently Asked Questions*  
SYSTEM APPROACH FOR SAFETY OVERSIGHT

# FAQs

## SASO & SMS

One element of the SASO program is to reengineer AFS oversight processes to leverage the use of increasingly sophisticated Safety Management Systems (SMS) by aviation certificate holders.

While AVS is implementing a single SMS; the SASO program is responsible for implementing the AFS-specific elements of the AVSSMS. SASO will also provide Business Process Reengineering and Change Management & Implementation support to the rest of AVS.

## Get involved with the 145 Pilot Project

Now is the best time to contribute to the SASO effort within CFR Part 145 during its inception. Visit SASO on the web and:

- Learn more about SASO and its pilot projects
- Subscribe to SASO's quarterly newsletter
- Download and distribute communications tools
- Provide feedback in support of the "As-Is" and "To-Be" documentation
- Schedule a SASO briefing or focus group

### Is SASO more suited to CFR Part 121 oversight?

SASO is bringing system safety principles to all CFR parts. SASO launched the SASO CFR Part 145 Pilot Project in 2007 and is currently analyzing "As-Is" studies and developing "To-Be" requirements for part 145. While the new environment will be different from CFR Part 121, there will likely be some similarities as the system safety based oversight system will be based on the ATOS model.

### What will be different in CFR Part 145 oversight?

Although specific changes have yet to be determined, under SASO, the CFR Part 145 oversight processes will be assessed and redesigned as needed to integrate key system safety principles.

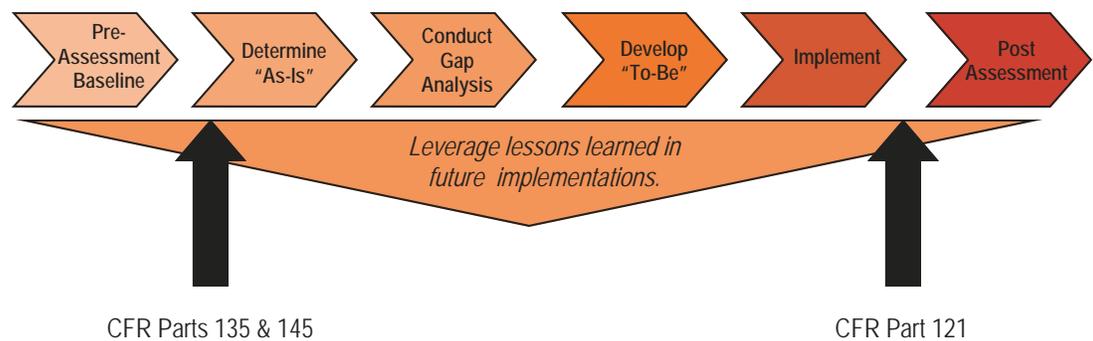
### Is the CFR Part 145 Pilot Project assessing the current repair station oversight processes and tools?

Yes. AFS-30 has been visiting FSDOs to observe first-hand how oversight is conducted. Initial visits were made to the Windsor Locks, Miami, Van Nuys, and Lincoln FSDOs in late 2006. Based on the data from these sites, initial process ("as-is") models were developed. In addition, field data is being collected from repair stations to allow the SASO Program Office to get industry's perspective on the FAA's safety oversight processes.

### How will SASO accommodate small repair stations that have few repairmen?

SASO will look at all types and sizes of certificate holders in the context of the specific risk management problems that affect a particular group of operators, including small repair stations.

## Where are the SASO Pilot Projects Today?



### For more SASO information please contact:

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