

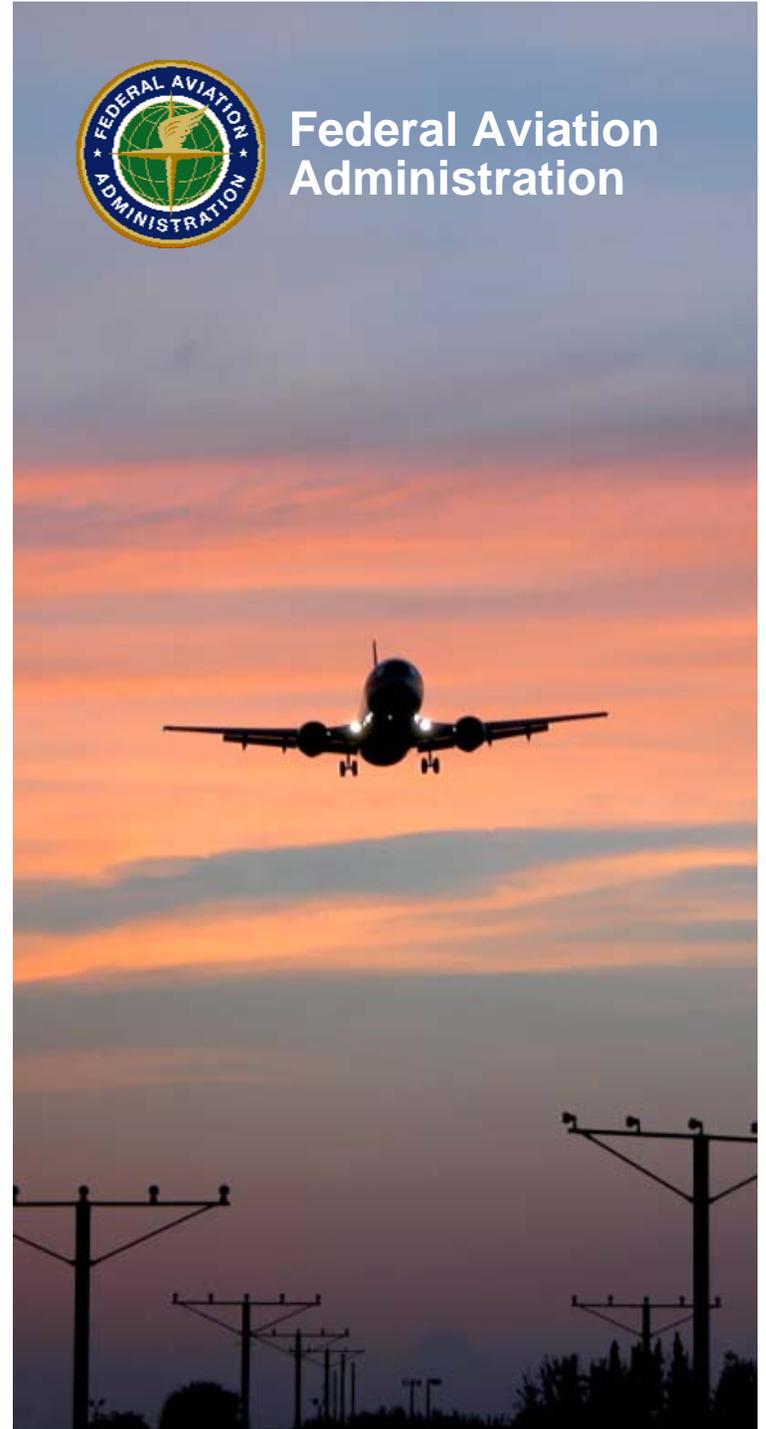
ADS-B

Center of Excellence - General Aviation

Presented to: COE-GA Public Meeting
By: Shelina James, Surveillance
and Broadcast Services, AJE-6
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Federal Aviation
Administration



Surveillance – Organizational Role and Responsibilities

- Organization:
 - Air Traffic En Route and Oceanic Services
 - Surveillance and Broadcast Services (AJE-6)
- Role:
 - Program management for Automatic Dependent Surveillance-Broadcast (ADS-B) related services.
- Responsibilities:
 - Research to develop policies and standards for ADS-B surveillance and applications
 - Develop and Analyze strategies to equip General Aviation aircraft with rule compliant ADS-B avionics.
 - Conduct tests in support of ADS-B evaluation and avionics equipment certification
 - Collect and analyze data to support communications, navigation, and surveillance related research



Surveillance – Past GA Activities

- ADS-B Aviation Related Research, Consulting, and Training Services as Part of the FAA ADS-B Program
 - Eastern, Central, and Western Support for ADS-B rollout
- Support ADS-B outreach activities in Alaska to make significant contributions toward improvements in safety and efficiency for general aviation air transportation
 - General aviation village meetings
 - Aviation Tradeshows
 - Alaska Industry Council meetings
- Support ADS-B training
 - General Aviation (GA) Pilots
 - Weather in the Cockpit (WITC) – Concept of Operations centered on the GA pilot in the cockpit on the ramp and his ability to look at Multi Function Display (MFD) that shows weather activity in the area



Surveillance – Past GA Activities (continued)

- Support International outreach activities and flight demonstrations for ADS-B office in Anchorage
 - Russian delegation visits
 - Chinese delegation visits
 - Chilean delegation visits
- GA Systems Safety Management Research
 - Study the background of Safety Management Systems (SMS) as it pertains to general aviation (GA), and to determine the feasibility of establishing an Aviation Safety Information Analysis and Sharing (ASIAS) program for GA (ASIAS-GA)
- Program Management support for US Airways/ACSS project
 - Serves as Program Management Workgroup Lead



Surveillance - Continued/Upcoming GA Activities

- Program Management support for US Airways/ACSS project
- ADS-B Aviation Related Research, Consulting, and Training Services as Part of the FAA ADS-B Program
- Provide ADS-B Certification flight test workshop for FAA Flight Test Pilots, Flight Test Engineers, and Human Factors Specialist from the Aircraft Certification Service
- Support Activities for ADS-B Roll-out
- Analyze and develop strategy to equip GA aircraft with MOPS 282-B ADS-B rule compliant avionics to realize early benefits
- Purchase, install and complete STC's for ADS-B avionics upgrades for up to six GA aircraft
- Conduct data collection and analysis for GA benefits

