Description
This course provides an overview of the FAA organizational structure and its function in aircraft certification, the rule-making and advisory process, production rules applicable to aircraft and aircraft components, and the subsequent certification process and continued airworthiness. The course is specifically tailored toward civil airworthiness certification. The course is FAA-approved for Inspection Authorization (IA) renewal. Prior certification activity is beneficial, but not required.

Highlights
- Overview of FAA Aircraft Certification (AIR) and Flight Standards (AFS) service organization and functions
- Advisory circular, notice and order process and issuance
- Federal Aviation Regulations (FAR) Parts 1, 11, 21, 23, 25, 26, 27, 29, 33, 36, 39, 43, 45 and 183
- Parts Manufacturer Approval (PMA)
- Type Certification (TC) and Supplemental Type Certification (STC) process
- Certification process improvement
- FAA/Industry guide to product certification
- Documentation of typical TC/STC products
- Safety management concepts
- FAA Form 337/Field Approval
- Flight Standards Information Management System (FSMIS) notices and orders
- Bilateral Aviation Safety Agreements

Who should attend?
Designed for industry (airframe and vendor) engineers, design engineers, civil airworthiness engineers, consultants, project directors, aircraft modifiers, FAA Designated Engineering Representatives (DERs) and coordinators, FAA organizational designees/authorized representatives (ARs), industry and governmental quality assurance inspectors and managers.

“I found the course to be most insightful. The information that I learned can be applied immediately to my daily tasks and activities.”
—Howard Anderson, Final Phase Certification Engineer, Gulfstream Aerospace