

ENGINEERING & CERTIFICATION

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INFORMATION & CAPABILITIES



ENGINEERING & CERTIFICATION SERVICES CAPABILITIES

Duncan Aviation's aircraft Engineering & Certification Services teams regularly work with OEM (Original Equipment Manufacturer) data or from conceptual designs. The team follows FAA guidance, industry standards, and company procedures. Duncan Aviation's Engineering & Certification Services are now available for projects supporting external customers' requests, such as developing STC (Supplemental Type Certificate) and PMA (Parts Manufacturer Approval) solutions, throughout the aerospace industry.

CAPABILITIES

- Configuration Control
- Requirements Analysis
- Document Control—SmarTeam
- Design—CATIA, SolidWorks, and AutoCAD
- Structural Analysis—FEM, Rigid Body
- Safety Analysis
- Flammability Testing—Planning, Lab Testing, Reports
- Delivery Documentation

ODA

The ODA (Organization Designation Authorization) held by Duncan Aviation is an appointment by the FAA authorizing

the Duncan Aviation organization to perform approved functions on behalf of the FAA. We have a qualified staff of more than 40 unit members, including flight test pilots and manufacturing and airworthiness inspectors who are qualified under the ODA to perform the authorized functions.

This designation authorizes Duncan Aviation to approve design data, analysis, and test procedures; witness compliance testing; and make a finding of compliance to the regulations and issue STCs for interior and airframe modifications and avionics systems and system upgrades. In addition, the ODA is authorized to issue airworthiness certificates, as well as domestic and export airworthiness approvals. It has oversight from the FAA's Wichita, Kansas, ACO (Aircraft Certification Office).

ODA Number: ODA-501013-CE

Areas of delegated authority

- STCs (Supplemental Type Certificates)
- MRAs (Major Repairs and Alterations)
- PMAs (Parts Manufacturer Approvals)
- Imports, Exports, Special Flight Permits, and Standard and Special Airworthiness