



A Reliable and Competent
Engineering Partner
to the Aerospace Industry

Aircraft Certification Services Ltd.

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SERVICES



CERTIFICATION OF AVIATION SYSTEMS AND DEVICES

- Determination of relevant certification and qualification aspects
- Failure Mode Effect & Criticality Analyses (FMEA / FMECA)
- Establishment of qualification plans and compliance documents (MOC)
- Compilation of qualification test procedures and qualification test reports
- Compilation of acceptance test procedures, acceptance test reports and assembly inspection sheets
- Generation of first article inspection drawings and inspection sheets
- Support in all aspects of documentation for the certification and qualification of aviation systems and devices

EVALUATION AND DOCUMENTATION OF ANALYSES

Evaluation of customer-performed analyses (e.g. FE analyses) and preparation of related documentation.

- Evaluation of FE analysis results, performance of fatigue calculations in EXCEL etc.
- Documentation of stress and fatigue analyses
- Descriptions of electronic, electrical and mechanical systems
- Documentation of mechanical functional analyses
- Documentation of thermal and fluid mechanics analyses

DOCUMENTATION

- Documentation of analyses and test series and compilation of test procedures
- Component Maintenance Manuals (CMM)
- Illustrated Part Lists (IPL)
- Service Bulletins (Maintenance Change Records)
- Technical Description and System Operation
- Updating of documentation

Documentation can be compiled in SGML, Framemaker, WORD etc.

SPECIFICATIONS

- Compilation of system and device specifications
- Compilation of test specifications

COMPANY QUALIFICATION

- Compilation of company development handbooks
- Support in achieving EN ISO 9001

