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Helping our world work better

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ASTM International Technical Committee F37 on Light Sport Aircraft

Scope

The scope of the Committee shall be the development of international consensus standards and guidance materials for light sport aircraft. The work of this Committee will be coordinated with other ASTM Committees and organizations having mutual interest to allow global market application.

Specific focuses under this scope may include, but are not limited to the development of technical publications for Light Sport Aircraft (LSA), including:

Minimum safety, performance, and flight proficiency requirements.

Quality assurance - in the form of inspection procedures, parts, materials and assemblies - to install manufacturing controls that will assure aircraft conform to design criteria.

Completed aircraft production acceptance tests and procedures assuring completed aircraft meet reported performance as demonstrated in the prototype aircraft. This includes limits such as: empty weight and center of gravity, performance specifications, controllability and maneuverability trim, stability, stall speed and handling characteristics, engine cooling and operating characteristics, propeller limits, systems functions, and folding or removable lifting surfaces.

A baseline plan for continued airworthiness systems, including methods for monitoring and maintaining continued operational safety, and processes for identifying, reporting and remedying safety-of-flight issues.

The work of this Committee will be coordinated with other ASTM committees and other organizations having mutual interest.

Technical Subcommittees

- F37.10 Glider
- F37.20 Airplane
- F37.30 Power Parachute
- F37.40 Weight Shift
- F37.50 Gyroplane
- F37.60 Lighter than Air
- F37.70 Cross Cutting
- F37.80 Consumer Air Sport Products

Key Documents

- F2245 Standard Specification for Design and Performance of a Light Sport Airplane
- F2339 Standard Practice for Design and Manufacture of Reciprocating Spark Ignition Engines for Light Sport Aircraft
- F2244 Standard Specification for Design and Performance Requirements for Powered Parachute Aircraft
- F2483 Standard Practice for Maintenance and the Development of Maintenance Manuals for Light Sport Aircraft

Learn more about Committee F37
www.astm.org/COMMIT/F37



Quick Facts

Established 2002

Number of Members 210+

Number of Standards 19

Global Participation

19 Countries represented

The standards are available in
Volume 15.11 in the *Annual Book of ASTM Standards*

Meetings F37 meets every 8 months

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