



ASTM Technical Committee F38 on Unmanned Aircraft Systems

Scope

- The Scope of the Committee shall be the development of standards and guidance materials for unmanned aircraft systems. The work of this Committee will be coordinated with other ASTM Committees and organizations having mutual interest.
- The focus of the committee shall be the development of standards and publications including (but not necessarily limited to):
- Minimum safety, performance, and flight proficiency requirements.
- Quality assurance – to install manufacturing controls assuring aircraft conform to design criteria.
- Production acceptance tests and procedures assuring that the completed aircraft systems meet reported performance as demonstrated in the prototype aircraft system. This performance 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.

Technical Subcommittees

- F38.01 Airworthiness
- F38.02 Flight Operations
- F38.03 Personnel Training, Qualification and Certification
- F38.90 Executive

Key Documents

- F2910 Standard Specification for Design and Construction of a Small Unmanned Aircraft System (sUAS)
- F3298 Standard Specification for Design, Construction, and Verification of Fixed-Wing Unmanned Aircraft Systems (UAS)
- F3196 Standard Practice for Seeking Approval for Beyond Visual Line of Sight (BVLOS) Small Unmanned Aircraft System (sUAS) Operations



Quick Facts

Established 2003

Number of Members 290+

Number of Standards 17

Global Participation

18 Countries represented

The standards are available in

Volume 15.09 in the *Annual*

Book of ASTM Standards

Meetings F38 meets twice each year, typically in May and November

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