

FAA Accepted ASTM Consensus Standards

Consensus Standard Topics [See Note 1]	Airplanes	Glinters	Gyroplanes [See Note 2]	Lighter- Than-Air	Powered Parachutes	Weight-Shift- Control
1 Design and Performance	F2245-13b or F2245-14	F2564-13 or F2564-14	F2352-11 or F2352-14	F2355-13 or F2355-14	F2244-13 or F2244-14	F2317/F2317 M-10
2 Required Equipment	F2245-13b or F2245-14	F2564-13 or F2564-14	F2352-11 or F2352-14	F2355-13 or F2355-14	F2244-13 or F2244-14	F2317/F2317 M-10
3 Quality Assurance [Ref. ext. effectivity note on back - 18 mos from NOA #13]	F2972-12 or F2972-14 ^{e1}	F2972-12 or F2972-14 ^{e1}	F2972-12 or F2972-14 ^{e1}	F2972-12 or F2972-14 ^{e1}	F2972-12 or F2972-14 ^{e1}	F2972-12 or F2972-14 ^{e1}
4 Production Acceptance Tests	F3035-13	F3035-13	TBD	F2356-05a	F2242-05	F2447-05
5 Aircraft Operating Instructions	F2245-13b or F2245-14	F2564-13 or F2564-14	F2352-11 or F2352-14	F2427-05a	F2243-11	F2457-05
6 Maintenance and Inspection Procedures	F2483-12	F2483-12	F2483-12	F2483-12	F2483-12	F2483-12
7 Identification and Recording of Major Repairs and Major Alterations	F2483-12	F2483-12	F2483-12	F2483-12	F2483-12	F2483-12
8 Continued Airworthiness	F2295-06	F2295-06	F2415-09 or F2415-14	F2354-05b	F2241-13 or F2241-14	F2425-05a
9 Manufacturers Assembly Instructions [Kit builders only]	F2563-06	F2563-06	F2563-06	F2563-06	F2563-06	F2563-06
Wing Interface Documentation	N/A	N/A	N/A	N/A	F2426-13	N/A
Required Product Information	F2745-11	N/A	N/A	F2427-05a	F2243-11	F2457-05

The following standards are to be used when required by the aircraft design standard

Design & Manufacture of Reciprocating Spark Ignition Engines	F2339-06	F2339-06	F2339-06	N/A	N/A	F2339-06
Design and Testing of Fixed-Pitch or Ground Adjustable Propellers	F2506-13	F2506-13	N/A	N/A	N/A	N/A
Design & Manufacture of Reciprocating Compression Ignition Engines	F2538-07a	F2538-07a	N/A	N/A	N/A	N/A
Pilot's Operating Handbook (POH)	F2746-12 or F2746-14	N/A	N/A	N/A	N/A	N/A
Design & Manufacture of Electric Propulsion Units [See Note 6]	F2840-11 or F2840-14	F2840-11 or F2840-14	N/A	N/A	N/A	N/A

The following standards are optional for all aircraft

Airframe Emergency Parachutes	F2316-12	F2316-12	F2316-12	F2316-12	F2316-12	F2316-12
Compliance Audits to ASTM Standards	F2839-11	F2839-11	F2839-11	F2839-11	F2839-11	F2839-11

The following standards are for reference only (not to be listed on FAA Form 8130-15 Statement of Compliance)

Standard Terminology for Light Sport Aircraft	F2626-12	F2626-12	F2626-12	F2626-12	F2626-12	F2626-12
Guide for Compliance with Light Sport Aircraft Standards	F2930-13 or F2930-14a	F2930-13 or F2930-14a	F2930-13 or F2930-14a	F2930-13 or F2930-14a	F2930-13 or F2930-14a	F2930-13 or F2930-14a

Other standards incorporated by reference in any of the FAA "accepted" ASTM Consensus Standards

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NOTE 1: Numbered topics are specified by the preamble to the rule.

NOTE 2: Gyroplanes are not eligible for a special category light-sport aircraft airworthiness certificate by the rule.

NOTE 3: Standards published with a number in parentheses indicate the year of last reapproval.

- ~ reapproval indicates a 2-year review cycle completed with no technical changes.
- ~ reapproved standards are considered accepted by the FAA without need for a Notice of Availability (NOA).
- ~ there is no need to identify the parenthetical year of reapproval on FAA Form 8130-15, SOC.

NOTE 4: Standards published with a superscript epsilon (ϵ) indicate an editorial change since the last revision or reapproval.

- ~ standards with a superscript epsilon (ϵ) are considered accepted by the FAA without need for a NOA.
- ~ there is no need to identify the superscript epsilon (ϵ) on FAA Form 8130-15, SOC.

NOTE 5: An entry of "N/A" indicates there is no applicable required standard for the subject topic.

NOTE 6: Electric propulsion units (EPU) are not eligible for installation on light-sport aircraft by the rule.

The following standards have been reapproved:

STANDARD, REAPPROVAL DATE & TITLE

F2242-05 (2013) - Standard Specification for Production Acceptance Testing System for Powered Parachute Aircraft
F2243-11 (2013) - Standard Specification for Required Product Information to be Provided with Powered Parachute Aircraft
F2316-12 (2014) - Standard Specification for Airframe Emergency Parachutes
F2339-06 (2009) - Standard Practice for Design and Manufacture of Reciprocating Spark Ignition Engines for Light Sport Aircraft
F2354-05b (2013) - Standard Specification for Continued Airworthiness System for Lighter-Than-Air Light Sport Aircraft
F2356-05a (2013) - Standard Specification for Production Acceptance Testing System for Lighter-Than-Air Light Sport Aircraft
F2425-05a (2009) - Standard Specification for Continued Airworthiness System for Weight-Shift-Control Aircraft
F2427-05a (2013) - Standard Specification for Required Product Information to be Provided with Lighter-Than-Air Light Sport Aircraft
F2447-05 (2009) - Standard Practice for Production Acceptance Test Procedures for Weight-Shift-Control Aircraft
F2457-05 (2009) - Standard Specification for Required Product Information to be Provided with Weight-Shift-Control Aircraft
F2507-05 (2010) - Standard Specification for Recreational Airpark Design
F2538-07a (2010) - Standard Practice for Design and Manufacture of Reciprocating Compression Ignition Engines for Light Sport Aircraft
F2563-06 (2010) - Standard Practice for Kit Assembly Instructions of Aircraft Intended Primarily for Recreation

The Revised Consensus Standard and Effective Period of Use

Either the previous standard/revision or the later standard/revision **may be used for the initial certification of special light-sport aircraft until October 15, 2015 (except for F2972-12 that may be used until October 14, 2016)**. This overlapping period of time will allow aircraft that have started the initial certification process using the previous standard/revision level to complete that process. **After October 15, 2015 (except for F2972-14^{e1} that must be used after October 14, 2016)**, the manufacturers must use the later standard/revision and must identify the later standard/revision in the Statement of Compliance for initial certification of special light-sport aircraft unless the FAA publishes a specific notification otherwise.