

# FAA Accepted ASTM Consensus Standards - LSA

Consensus Standard [See Note 1]	Airplanes	Gliders	Gyroplanes	Lighter-Than-Air	Powered Parachutes	Weight-Shift-Control
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**Table 1: The following standards may be used for initial airworthiness certification:**

Required Product Information	F2745-15	N/A	[See Note 2]	F2427-05a	F2243-11	F2457-05
Wing Interface Documentation	N/A	N/A	N/A	N/A	F2426-13	F3199-16a
[1] Design and Performance	F2245-20	F2564-14	[See Note 2]	F2355-14	F2244-14	F2317/F2317M-16a
Design & Manufacture of Reciprocating Spark Ignition Engines	F2339-19a	F2339-19a	[See Note 2]	N/A	N/A	F2339-19a
Design & Manufacture of Reciprocating Compression Ignition Engines	F2538-07a	N/A	[See Note 2]	N/A	N/A	N/A
Design and Testing of Fixed-Pitch or Ground Adjustable Propellers	F2506-13	N/A	[See Note 2]	N/A	N/A	F2506-13
Airframe Emergency Parachutes	F2316-12	F2316-12	[See Note 2]	N/A	N/A	F2316-12
[2] Required Equipment	F2245-20	F2564-14	[See Note 2]	F2355-14	F2244-14	F2317/F2317M-16a
[3] Quality Assurance	F2972-15	F2972-15	[See Note 2]	F2972-15	F2972-15	F2972-15
[4] Production Acceptance Tests	F3035-13	F3035-13	[See Note 2]	F2356-05a	F2242-05	F2447-05
[5] Aircraft Operating Instructions (AOI) / Pilot Operating Handbook (POH)	F2746-14 [Ref. F2245]	F2564-14	[See Note 2]	F2427-05a	F2243-11	F2457-05
Flight Training Supplement	F2746-14	F2564-14	[See Note 2]	F2427-05a	F2243-11	F2457-05
[6] Maintenance and Inspection Procedures	F2483-18 <sup>e1</sup>	F2483-18 <sup>e1</sup>	[See Note 2]	F2483-18 <sup>e1</sup>	F2483-18 <sup>e1</sup>	F2483-18 <sup>e1</sup>
[7] Identification and Recording of Major Repairs and Major Alterations	F2483-18 <sup>e1</sup>	F2483-18 <sup>e1</sup>	[See Note 2]	F2483-18 <sup>e1</sup>	F2483-18 <sup>e1</sup>	F2483-18 <sup>e1</sup>
[8] Continued Airworthiness	F3198-18	F3198-18	[See Note 2]	F3198-18	F3198-18	F3198-18
[9] Manufacturer's Assembly Instructions [Kit builders only]	F2563-16	F2563-16	[See Note 2]	F2563-16	F2563-16	F2563-16

**Table 2: The following standards are optional:**

Compliance Audits to ASTM Standards	F2839-11	F2839-11	[See Note 2]	F2839-11	F2839-11	F2839-11
Independent Audit Program	F3205-17	F3205-17	[See Note 2]	F3205-17	F3205-17	F3205-17
Simplified Aircraft Loads Determination	F3409-19 <sup>e1</sup>	F3409-19 <sup>e1</sup>	[See Note 2]	N/A	N/A	N/A

**Table 3: The following standards are for reference only:**

Guide for Compliance with Light Sport Aircraft Standards	F2930-16 <sup>e1</sup>	F2930-16 <sup>e1</sup>	[See Note 2]	F2930-16 <sup>e1</sup>	F2930-16 <sup>e1</sup>	F2930-16 <sup>e1</sup>
Design & Manufacture of Electric Propulsion Units	[See Note 6]	[See Note 6]	[See Note 2 and Note 6]	[See Note 6]	[See Note 6]	[See Note 6]

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**NOTE 1:** Numbered topics are specified by the preamble to the Sport Pilot and Light-Sport Aircraft rule.

Also, refer to the definition of "*consensus standard*" in 14 CFR 1.1.

Consensus standards may address additional topics, as determined by the standards body.

**Table 1:** It is expected that the standards listed in this table are included on FAA Form 8130-15 (SOC), as applicable.

**Table 2:** These standards are optional; however, they are expected to be included on FAA Form 8130-15 (SOC), if implemented by the manufacturer.

**Table 3:** These standards are for reference only and are not expected to be included on FAA Form 8130-15 (SOC).

**NOTE 2:** Gyroplanes are not eligible for a special category light-sport aircraft airworthiness certificate under 14 CFR 21.190.

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

~ Reapproval indicates a 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 ( $\epsilon$ ) indicate an editorial change since the last revision or reapproval.

~ Standards with a superscript epsilon ( $\epsilon$ ) are considered accepted by the FAA without need for a NOA.

~ There is no need to identify the superscript epsilon ( $\epsilon$ ) on FAA Form 8130-15 (SOC).

**NOTE 5:** An entry of "N/A" indicates there is no applicable standard related to the item.

**NOTE 6:** Electric propulsion units (EPU) are not eligible for installation on light-sport aircraft under 14 CFR 1.1 definition of "*light-sport aircraft*"

***The following standards have been reapproved:***

F2242-05 (2018) - Standard Specification for Production Acceptance Testing System for Powered Parachute Aircraft

F2243-11 (2018) - Standard Specification for Required Product Information to be Provided with Powered Parachute Aircraft

F2244-14(2022) - Standard Specification for Design and Performance Requirements for Powered Parachute Aircraft

F2316-12 (2022) - Standard Specification for Airframe Emergency Parachutes

F2355-14 (2022) - Standard Specification for Design and Performance Requirements for Lighter-Than-Air Light Sport Aircraft

F2356-05a (2018) - Standard Specification for Production Acceptance Testing System for Lighter-Than-Air Light Sport Aircraft

F2426-13 (2018) <sup>$\epsilon$ 1</sup> - Standard Guide on Wing Interface Documentation for Powered Parachute Aircraft

F2427-05a (2018) - Standard Specification for Required Product Information to be Provided with Lighter-Than-Air Light Sport Aircraft

F2447-05 (2018) - Standard Practice for Production Acceptance Test Procedures for Weight-Shift-Control Aircraft

F2457-05 (2018) - Standard Specification for Required Product Information to be Provided with Weight-Shift-Control Aircraft

F2506-13 (2022) - Standard Specification for Design and Testing of Light Sport Aircraft Propellers

F2564-14 (2022) - Standard Specification for Design and Performance of a Light Sport Glider

F2538-07a (2019) - Standard Practice for Design and Manufacture of Reciprocating Compression Ignition Engines for Light Sport Aircraft

F2724-14 (2023) - Standard Specification for Pilot's Operating Handbook (POH) for Light Sport Airplane

F2839-11 (2016) - Standard Practice for Compliance Audits to ASTM Standards on Light Sport Aircraft