

Table 1—Part 22 Subpart B Accepted MOC for Light-Sport Category Powered-Lift Based on ASTM Consensus Standards F3840 – 26

ASTM Number as Identified in F3840 – 26	ASTM Document Title
F2316 – 12 (2022)	Standard Specification for Airframe Emergency Parachutes
F2339 – 26	Standard Practice for Design and Manufacture of Reciprocating Engines for Light Sport Aircraft
F2483 – 26	Standard Practice for Maintenance Program for Light Sport Category Aircraft
F2506 – 26	Standard Specification for Design and Testing of Light Sport Aircraft Propellers
F2563 – 16 (2025)	Standard Practice for Kit Assembly Instructions of Aircraft Intended Primarily for Recreation
F2745 – 15 (2023)	Standard Specification for Required Product Information to be Provided with an Airplane
F2746 – 26a	Standard Specification for Pilot’s Operating Handbook (POH) for Light Sport Category Aircraft
F2839 – 11 (2025) ¹	Standard Practice for Compliance Audits to ASTM Standards on Light Sport Aircraft
F2840 – 26a	Standard Practice for Design and Manufacture of Electric Engine for Light Sport Aircraft
F2972 – 26	Standard Specification for Light Sport Aircraft Manufacturer’s Quality Assurance System
F3035 – 26	Standard Practice for Production Acceptance in the Manufacture of a Light Sport Aircraft
F3198 – 25	Standard Specification for Light Sport Aircraft Manufacturer’s Continued Operational Safety (COS) Program
F3331 – 18 (2023)	Standard Practice for Aircraft Water Loads
F3338 – 24	Standard Specification for Design of Electric Engines for General Aviation Aircraft
F3619 – 26	Standard Specification for Aeroelasticity Requirements for a Light Sport Category Airplane
F3695 – 26	Standard Specification for Angle of Attack (AoA) Functional Requirements
F3737 – 25	Standard Specification for Aircraft Design and Construction
F3746 – 26	Standard Specification for Maintenance Manuals for Light Sport Category Aircraft
F3792 – 26	Standard Specification for Light Sport Category Aircraft Flown at Night
F3793 – 26a	Standard Specification for Flight Characteristics and Performance
F3810 – 26b	Standard Specification for Oxygen Systems for Light Sport Aircraft
F3813 – 26	Standard Specification for Light Sport Category Aircraft Occupant Safety
F3814 – 26	Standard Specification for Light Sport Category Aircraft Electrical Systems

¹ ASTM references F2839 – 11 (2025) in the ASTM integration standards for light-sport category airplanes (F3815 – 26a), gliders (F3836 – 26), powered-lifts (F3840-26), and gyroplanes (F3841 – 26). ASTM intended this standard to be optional and not required for compliance under all of these integration standards. However, ASTM unintentionally referenced F2839 – 11 (2025) as a mandatory requirement for § 21.190(d) for the powered-lift, and gyroplane integration standards. Accordingly, with respect to FAA’s acceptance of F3815 – 26a, F3836 – 26, F3840-26, and F3841 – 26 as MOCs, F2839 is optional and is not required for compliance.

ASTM Number as Identified in F3840 – 26	ASTM Document Title
F3824 – 26	Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft
F3825 – 26	Standard Specification for Operating Limitations, Markings, Placards, and Warnings for Light Sport Aircraft
F3826 – 26	Standard Specification for Liquid Energy Storage Systems for Light Sport Category Aircraft
F3827 – 26	Standard Specification for Indirect Flight Controls
F3828 – 26	Standard Specification for Structures for Light Sport Category Aircraft
F3829 – 26	Standard Specification for Light Sport Category Aircraft Powerplant Systems
F3830 – 26	Standard Specification for Electrical Energy Storage Systems
F3831 – 26	Standard Specification for Aircraft Intended for Water Operations
F3833 – 26 ²	Standard Guide for Computer Based Control Systems (CBCS)
F3834 – 26	Standard Specification for Systems and Equipment for Light Sport Category Aircraft
F3835 – 26	Standard Specification for Light Sport Category Aircraft Landing Gear Systems
F3838 – 26	Standard Specification for Light Sport Category Thrust Borne Aircraft Landing Gear Systems
F3845 – 26	Standard Practice for the Design and Manufacturing of Turbine Engines for Light Sport Category Aircraft
F3851 – 26	Standard Specification for Light Sport Category Aircraft

Note: The FAA previously accepted ASTM F2930-16, Standard Guide for Compliance with Light Sport Aircraft Standards (see 82 FR 16271, April 3, 2017). F2930-16 is not referenced in the F3840-26 integration standard and is not being accepted by this NOA. While F2930-16 is not required for compliance with the regulations discussed in this NOA, that standard may continue to be used for reference purposes only.

² ASTM references F3833 – 26 for § 22.185 in the ASTM integration standards for light-sport category airplanes (F3815 – 26a), gliders (F3836 – 26), powered-lifts (F3840-26), and gyroplanes (F3841 – 26). FAA notes that F3833 – 26 is not required for compliance § 22.185 and FAA has made no determination of its suitability, but that standard may be used for reference purposes.

Table 2 — Light-Sport Category Powered-Lift Side-By-Side View of §§ 21.190, 21.191(k), 21.193(h), and part 22 subpart B and ASTM F3840 – 26 Section(s)

Title 14 Regulation(s)	ASTM F3840 – 26 Reference Standards(s)
§ 21.190	
§ 21.190(c) Application for special airworthiness certificate in the light-sport category	F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F2746 – 26a Standard Specification for Pilot’s Operating Handbook (POH) for Light Sport Category Aircraft F2745 – 15 (2023) Standard Specification for Required Product Information to be Provided with an Airplane F3746 – 26 Standard Specification for Maintenance Manuals for Light Sport Category Aircraft F2483 – 26 Standard Practice for Maintenance Program for Light Sport Category Aircraft
§ 21.190(d) Manufacturer’s Statement of Compliance	F3198 – 25 Standard Specification for Light Sport Aircraft Manufacturer’s Continued Operational Safety (COS) Program F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F2745-15 (2023) Standard Specification for Required Product Information to be Provided with an Airplane F2972 – 26 Standard Specification for Light Sport Aircraft Manufacturer’s Quality Assurance System
§ 21.191	
§ 21.191(k) Issue of experimental airworthiness certificates	F2563 – 16 (2025) Standard Practice for Kit Assembly Instructions of Aircraft Intended Primarily for Recreation
§ 21.193	
§ 21.193(h) Application for Special Airworthiness certificates issued for experimental purposes	F3746 – 26 Standard Specification for Maintenance Manuals for Light Sport Category Aircraft F2746 – 26a Standard Specification for Pilot’s Operating Handbook (POH) for Light Sport Category Aircraft
Part 22 Subpart B	
§ 22.100 Eligibility	F3851 – 26 Specification for Light Sport Category Aircraft
§ 22.105 Control and maneuverability	F3793 – 26a Standard Specification for Flight Characteristics and Performance F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3827 – 26 Standard Specification for Indirect Flight Controls F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F3695 – 26 Standard Specification for Angle of Attack (AoA) Functional Requirements F3831 – 26 Standard Specification for Aircraft Intended for Water Operations

Title 14 Regulation(s)	ASTM F3840 – 26 Reference Standards(s)
§ 22.110 Structural integrity	F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems
	F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3619 – 26 Standard Specification for Aeroelasticity Requirements for a Light Sport Category Airplane F3835 – 26 Standard Specification for Light Sport Category Aircraft Landing Gear System F3838 – 26 Standard Specification for Light Sport Category Thrust Borne Aircraft Landing Gear System F3828 – 26 Standard Specification for Structures for Light Sport Category Aircraft F3826 – 26 Standard Specification for Liquid Energy Storage Systems for Light Sport Category Aircraft F3737 – 25 Standard Specification for Aircraft Design and Construction F3331 – 18 (2023) Standard Practice for Water Loads F3831 – 26 Standard Specification for Aircraft Intended for Water Operations F3813 – 26 Standard Specification for Light Sport Category Aircraft Occupant Safety F2316 – 12 (2022) Standard Specification for Airframe Emergency Parachutes
§ 22.115 Powered-Lift: minimum safe speed	F3793 – 26a Standard Specification for Flight Characteristics and Performance F3695 – 26 Standard Specification for Angle of Attack (AoA) Functional Requirements
§ 22.125 Environmental Conditions	F3737 – 25 Standard Specification for Aircraft Design and Construction F3814 – 26 Standard Specification for Light Sport Category Aircraft Electrical Systems F3834 – 26 Standard Specification for Systems and Equipment for Light Sport Category Aircraft F3830 – 26 Standard Specification for Electrical Energy Storage Systems F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3746 – 26 Standard Specification for Maintenance Manuals for Light Sport Category Aircraft F3826 – 26 Standard Specification for Liquid Energy Storage Systems for Light Sport Category Aircraft F3831 – 26 Standard Specification for Aircraft Intended for Water Operations
§ 22.130 Suitability and durability of materials	F3737– 25 Standard Specification for Aircraft Design and Construction F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F3834 – 26 Standard Specification for Systems and Equipment for Light Sport Category Aircraft

Title 14 Regulation(s)	ASTM F3840 – 26 Reference Standards(s)
	F2506– 26 Standard Specification for Design and Testing of Light Sport Aircraft Propellers F3830 – 26 Standard Specification for Electrical Energy Storage Systems F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft
§ 22.135 Instruments and equipment	F3737 – 25 Standard Specification for Aircraft Design and Construction F3810 – 26b Standard Specification for Oxygen Systems for Light Sport Aircraft F3814 – 26 Standard Specification for Light Sport Category Aircraft Electrical Systems F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F3834 – 26 Standard Specification for Systems and Equipment for Light Sport Category Aircraft F3792 – 26 Standard Specification for Light Sport Category Aircraft Flown at Night F3830 – 26 Standard Specification for Electrical Energy Storage Systems F3827 – 26 Standard Specification for Indirect Flight Controls F3695 – 26 Standard Specification for Angle of Attack (AoA) Functional Requirements F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft
§ 22.140 Controls and Displays	F3695 – 26 Standard Specification for Angle of Attack (AoA) Functional Requirements F3813 – 26 Standard Specification for Light Sport Category Aircraft Occupant Safety F3814 – 26 Standard Specification for Light Sport Category Aircraft Electrical Systems F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F3834 – 26 Standard Specification for Systems and Equipment for Light Sport Category Aircraft F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3737 – 25 Standard Specification for Aircraft Design and Construction
§ 22.145 Propulsion system	F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F2506 – 26 Standard Specification for Design and Testing of Light Sport Aircraft Propellers F3845 – 26 Standard Practice for the Design and Manufacturing of Turbine Engines for Light Sport Category Aircraft F3830 – 26 Standard Specification for Electrical Energy Storage Systems F2840 – 26a Standard Practice for Design and Manufacture of Electric Engine for Light Sport Aircraft

Title 14 Regulation(s)	ASTM F3840 – 26 Reference Standards(s)
	F2339 – 26 Standard Practice for Design and Manufacture of Reciprocating Engines for Light Sport Aircraft F3826 – 26 Standard Specification for Liquid Energy Storage Systems for Light Sport Category Aircraft F3338 – 24 Standard Specification for Design of Electric Engines for General Aviation Aircraft F3793 – 26a Standard Specification for Flight Characteristics and Performance
§ 22.150 Fuel system	F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F3746 – 26 Standard Specification for Maintenance Manuals for Light Sport Category Aircraft F3826 – 26 Standard Specification for Liquid Energy Storage Systems for Light Sport Category Aircraft
§ 22.155 Fire Protection	F3813 – 26 Standard Specification for Light Sport Category Aircraft Occupant Safety F3814 – 26 Standard Specification for Light Sport Category Aircraft Electrical Systems F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3830 – 26 Standard Specification for Electrical Energy Storage Systems F3826 – 26 Standard Specification for Liquid Energy Storage Systems for Light Sport Category Aircraft
§ 22.160 Visibility	F3695 – 26 Standard Specification for Angle of Attack (AoA) Functional Requirements F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3813 – 26 Standard Specification for Light Sport Category Aircraft Occupant Safety F3814 – 26 Standard Specification for Light Sport Category Aircraft Electrical Systems F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F3792 – 26 Standard Specification for Light Sport Category Aircraft Flown at Night
§ 22.165 Emergency Evacuation	F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3813 – 26 Standard Specification for Light Sport Category Aircraft Occupant Safety
§ 22.170 Placards and markings	F3825 – 26 Standard Specification for Operating Limitations, Markings, Placards, and Warnings for Light Sport Aircraft F3829 – 26 Standard Specification for Light Sport Category Aircraft Powerplant Systems F2506 – 26 Standard Specification for Design and Testing of Light Sport Aircraft Propellers

Title 14 Regulation(s)	ASTM F3840 – 26 Reference Standards(s)
	F3814 – 26 Standard Specification for Light Sport Category Aircraft Electrical Systems F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3792 – 26 Standard Specification for Light Sport Category Aircraft Flown at Night F3695 – 26 Standard Specification for Angle of Attack (AoA) Functional Requirements F3746 – 26 Standard Specification for Maintenance Manuals for Light Sport Category Aircraft
§ 22.180 Special requirements for light-sport category aircraft with simplified flight controls	ASTM has not submitted for FAA acceptance, and FAA has not otherwise accepted, a consensus standard to enable this requirement. Therefore, manufacturers are not eligible to declare compliance with § 21.180 and have their powered-lift be designated as light-sport category aircraft with simplified flight controls at this time.
§ 22.185 Quality Assurance System	F2972 – 26 Standard Specification for Light Sport Aircraft Manufacturer’s Quality Assurance System F3737 – 25 Standard Specification for Aircraft Design and Construction F3198 – 25 Standard Specification for Light Sport Aircraft Manufacturer’s Continued Operational Safety (COS) Program F3833 – 26 Standard Guide for Computer Based Control Systems (CBCS)
§ 22.190 Finding of compliance by trained staff	F2972 – 26 Standard Specification for Light Sport Aircraft Manufacturer’s Quality Assurance System
§ 22.195 Ground and flight testing	F3035 – 26 Standard Practice for Production Acceptance in the Manufacture of a Light Sport Aircraft F3824 – 26 Standard Specification for Non-Fatigue Aerial Work for Light Sport Category Aircraft F3695 – 26 Standard Specification for Angle of Attack (AoA) Functional Requirements