

ASTM Volume 15.09, May 2026

Table of Contents

F3432-20a Standard Practice for Powerplant Instruments

F3457-20 Standard Guide for Aircraft Certification Education Standards for Engineers and Professionals in Aerospace Industry

F3478-20 Standard Practice for Development of a Durability and Reliability Flight Demonstration Program for Low-Risk Unmanned Aircraft Systems (UAS) under FAA Oversight

F2909-19 Standard Specification for Continued Airworthiness of Lightweight Unmanned Aircraft Systems

F3498-21 Standard Practice for Developing Simplified Fatigue Load Spectra

F3397/F3397M-21 Standard Practice for Aeroplane Turbine Fuel System Hot Weather Operations

F3514-21 Standard Guidance for Space Data Exchange to Support Integration of Space Operations into Air Traffic Management

F3065/F3065M-21a Standard Specification for Aircraft Propeller System Installation

F2639-18 Standard Practice for Design, Alteration, and Certification of Aircraft Electrical Wiring Systems

F3344-19 Standard Guide for Storage, Use, and Handling of Liquid Rocket Propellants

F3362-18 Standard Guide for Onboard Communication & Safety Systems Personnel Certification

F2426-13(2018)e1 Standard Guide on Wing Interface Documentation for Powered Parachute Aircraft

F3196-18 Standard Practice for Seeking Approval for Beyond Visual Line of Sight (BVLOS) Small Unmanned Aircraft System (sUAS) Operations

F2849-10(2019) Standard Practice for Handling of Unmanned Aircraft Systems at Divert Airfields

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

F2425-05a(2018) Standard Specification for Continued Airworthiness System for Weight-Shift-Control Aircraft

F2851-10(2018) Standard Practice for UAS Registration and Marking (Excluding Small Unmanned Aircraft Systems)

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

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

F3310-18 Standard Specification for Non-Essential Ice Detectors for Aircraft

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

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

F3205-17 Standard Practice for Independent Audit Program for Light Aircraft Manufacturers

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

F2483-18e1 Standard Practice for Maintenance and the Development of Maintenance Manuals for Light Sport Aircraft

F3366-19 Standard Specification for General Maintenance Manual (GMM) for a small Unmanned Aircraft System (sUAS)

F3376-19 Standard Guide for Core Competencies for Aviation Maintenance Personnel

F3380-19 Standard Practice for Structural Compliance of Very Light Aeroplanes

F3316/F3316M-19 Standard Specification for Electrical Systems for Aircraft with Electric or Hybrid-Electric Propulsion

F3425-20 Standard Guide for Aircraft Electronics Installation Technician Certification

F3379-20 Standard Guide for Training for Public Safety Remote Pilot of Unmanned Aircraft Systems (UAS) Endorsement

F2339-19a Standard Practice for Design and Manufacture of Reciprocating Spark Ignition Engines for Light Sport Aircraft

F3011-21 Standard Specification for Performance of Angle of Attack System

F3450-20 Standard Guide for Flight Hazard and Surveillance Systems Personnel Certification

F3479-20 Standard Specification for Failure Tolerance for Occupant Safety of Suborbital Vehicles

F2490-20 Standard Guide for Aircraft Electrical Load and Power Source Capacity Analysis

F3389/F3389M-21 Standard Test Method for Assessing the Safety of Small Unmanned Aircraft Impacts

F3408/F3408M-21 Standard Specification for Aircraft Emergency Parachute Recovery Systems

F3236-21a Standard Specification for High Intensity Radiated Field (HIRF) Protection in Small Aircraft

F3114-21 Standard Specification for Structures

F3476-21 Standard Guide for Airframe and Systems Aviation Maintenance Personnel

F3174/F3174M-21 Standard Specification for Establishing Operating Limitations and Information for Aeroplanes

F3526-21 Standard Guide for Aircraft Instrument Systems Technician Certification

F3269-21 Standard Practice for Methods to Safely Bound Behavior of Aircraft Systems Containing Complex Functions Using Run-Time Assurance

F3520-21 Standard Guide for Training and Qualification of Safety-Critical Space Operations Personnel

F3548-21 Standard Specification for UAS Traffic Management (UTM) UAS Service Supplier (USS) Interoperability

F3550-22 Standard Guide for Classifying Safety-Related Events

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

F3254-22 Standard Specification for Aircraft Interaction of Systems and Structures

F3035-22 Standard Practice for Production Acceptance in the Manufacture of a Fixed Wing Light Sport Aircraft

F3563-22 Standard Specification for Design and Construction of Large Fixed Wing Unmanned Aircraft Systems

F3411-22a Standard Specification for Remote ID and Tracking

F3586-22 Standard Practice for Remote ID Means of Compliance to Federal Aviation Administration Regulation 14 CFR Part 89

F3235-22 Standard Specification for Aircraft Storage Batteries

F3423/F3423M-22 Standard Specification for Vertiport Design

F3239-22a Standard Specification for Aircraft Electric Propulsion Systems

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

F2352-14(2022) Standard Specification for Design and Performance of Light Sport Gyroplane Aircraft

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

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

F3153-22 Standard Specification for Verification of Aircraft Systems and Equipment

F3409-19e1 Standard Practice for Simplified Aircraft Loads Determination

F2506-22 Standard Specification for Design and Testing of Light Sport Aircraft Propellers

F3002-22 Standard Specification for Design of the Command and Control System for Small Unmanned Aircraft Systems (sUAS)

F2910-22 Standard Specification for Design and Construction of a Small Unmanned Aircraft System (sUAS)

F3005-22 Standard Specification for Batteries for Use in Small Unmanned Aircraft Systems (sUAS)

F3617-22 Standard Guide for Foreign Object Elimination (FOE) Elements of Basic Awareness and Personnel Certification

F2745-15(2023) Standard Specification for Required Product Information to be Provided with an Airplane

F2840-14(2023) Standard Practice for Design and Manufacture of Electric Propulsion Units for Light Sport Aircraft

F2746-14(2023) Standard Specification for Pilot's Operating Handbook (POH) for Light Sport Airplane

F3600-22 Standard Guide for Unmanned Aircraft System (UAS) Maintenance Technician Qualification

F3619-22 Standard Specification for Aeroelasticity Requirements for a Light Sport Airplane

F3330-23 Standard Specification for Training and the Development of Training Manuals for the UAS Operator

F3610-23 Standard Classification for Descriptions of Spaceport Capabilities

F3601-23 Standard Practice for Structural Finite Element Model Verification and Validation

F3639-23 Standard Guide for Automatic Flight Control System Technician

F3266-23 Standard Guide for Training for Remote Pilot in Command of Unmanned Aircraft Systems (UAS) Endorsement

F2245-23 Standard Specification for Design and Performance of a Light Sport Airplane

F3364-23 Standard Practice for Independent Audit Program for Unmanned Aircraft Operators

F2908-23 Standard Specification for Unmanned Aircraft Flight Manual (UFM) for an Unmanned Aircraft System (UAS)

F3365-23 Standard Practice for Compliance Audits to ASTM Standards on Unmanned Aircraft Systems

F3331-18(2023) Standard Practice for Aircraft Water Loads

F3082/F3082M-23a Standard Specification for Weights and Centers of Gravity of Aircraft

F3568-23 Standard Guide for Medical Qualifications for Suborbital Vehicle Passengers

F3599-23 Standard Guide for Aerospace/Aviation Powerplant Personnel Certification

F3367-23 Standard Practice for Simplified Methods for Addressing High-Intensity Radiated Fields (HIRF) and Indirect Effects of Lightning on Aircraft

F3668/F3668M-23 Standard Guide for Occupant Survivability in Orbital Vehicles

F3396/F3396M-23a Standard Practice for Aircraft Simplified Loads Criteria

F3246-18(2023) Standard Specification for Quality Assurance for Manufacturers of Aircraft Systems

F3623-23 Standard Specification for Surveillance Supplementary Data Service Providers

F3651/F3651M-23 Standard Practice for Determining Safe-Life, Inspection Threshold and Recurring Inspection Intervals

F3657-23 Standard Specification for Verification of Lightweight Unmanned Aircraft Systems (UAS)

F3388-23 Standard Classification for Space Launch and Reentry Vehicles

F3064/F3064M-24 Standard Specification for Aircraft Powerplant Control, Operation, and Indication

F3063/F3063M-24 Standard Specification for Aircraft Fuel Storage and Delivery

F3120/F3120M-24 Standard Specification for Ice Protection for General Aviation Aircraft

F3229/F3229M-23a Standard Practice for Static Pressure System Tests in Small Aircraft

F3233/F3233M-23b Standard Specification for Flight and Navigation Instrumentation in Aircraft

F3173/F3173M-24 Standard Specification for Aircraft Handling Characteristics

F3547-24 Standard Specification for Fuel Cell Power Systems for Use in Small Unmanned Aircraft Systems (sUAS)

F3341/F3341M-24 Standard Terminology for Unmanned Aircraft Systems

F3658-24 Standard Guide for Crewed Suborbital Space Vehicle Design

F3710-24 Standard Guide for Structural Durability Component Selection

F3298-24 Standard Specification for Design and Construction of Lightweight Unmanned Aircraft Systems (UAS)

F2972-24 Standard Specification for Light Sport Aircraft Manufacturer's Quality Assurance System

F3309/F3309M-24a Standard Practice for Simplified Safety Assessment of Systems and Equipment in Small Aircraft

F3720/F3720M-24 Standard Practice for General Guidance on Damage Tolerance Evaluation of Normal Category Aeroplane

F3338-24 Standard Specification for Design of Electric Engines for General Aviation Aircraft

F3686-24a Standard Practice for Production Approval of Unmanned Aircraft Systems (UAS)

F3231/F3231M-24 Standard Specification for Electrical Systems for Aircraft with Combustion Engine Electrical Power Generation

F3673-24 Standard Specification for Performance for Weather Information Reports, Data Interfaces, and Weather Information Providers (WIPs)

F3093/F3093M-24e1 Standard Specification for Aeroelasticity Requirements

F3201-24 Standard Practice for Ensuring Dependability of Software Used in Unmanned Aircraft Systems (UAS)

F3653-24 Standard Specification for Installation of Rechargeable Lithium Batteries on Aircraft

F3178-24 Standard Practice for Operational Risk Assessment of Unmanned Aircraft Systems (UAS)

F3116/F3116M-24 Standard Specification for Design Loads and Conditions

F3179/F3179M-24a Standard Specification for Performance of Aircraft

F2839-11(2025) Standard Practice for Compliance Audits to ASTM Standards on Light Sport Aircraft

F2563-16(2025) Standard Practice for Kit Assembly Instructions of Aircraft Intended Primarily for Recreation

F2930-16(2025) Standard Guide for Compliance with Light Sport Aircraft Standards

F3115/F3115M-23e1 Standard Specification for Structural Durability for Small Aeroplanes

F3322-24a Standard Specification for Small Unmanned Aircraft System (sUAS) Parachutes

F3227/F3227M-25 Standard Specification for Environmental Systems in Aircraft

F3230-25 Standard Practice for Safety Assessment of Systems and Equipment in Small Aircraft

F3742-24 Standard Guide for Credential-Based A2X Broadcast Security

F3695-24 Standard Specification for Angle of Attack (AoA) Functional Requirements

F2696-14(2025) Standard Practice for Inspection of Aircraft Electrical Wiring Systems

F2799-14(2025) Standard Practice for Maintenance of Aircraft Electrical Wiring Systems

F3245-25 Standard Guide for Aircraft Electronics Technician Certification

F3180/F3180M-25 Standard Specification for Low-Speed Flight Characteristics of Aircraft

F3609-25 Standard Specification for Positioning Assurance, Navigation, and Time Synchronization (PNT) for Unmanned Aircraft Systems (UAS)

F3060-25 Standard Terminology for Aircraft

F3442-25 Standard Specification for Detect and Avoid System Performance Requirements

F3062/F3062M-25 Standard Specification for Aircraft Powerplant Installation

F3643-25 Standard Practice for Pilot Compartment View in Precipitation

F3746-25 Standard Specification for Maintenance Manuals for Light Sport Aircraft

F3083/F3083M-25 Standard Specification for Emergency Conditions, Occupant Safety and Accommodations

F3377-23e1 Standard Terminology Relating to Commercial Spaceflight

F3061/F3061M-25 Standard Specification for Systems and Equipment in Aircraft

F3228-21(2025) Standard Specification for Flight Data and Voice Recording in Small Aircraft

F3234/F3234M-21(2025) Standard Specification for Exterior Lighting in Small Aircraft

F3232/F3232M-25a Standard Specification for Flight Controls in Small Aircraft

F3454-25 Standard Practice for Alerting Methods in Aircraft

F3491-25 Standard Practice for Enhanced Indication Methods in Aircraft

F3532-25 Standard Practice for Protection of Aircraft Systems from Intentional Unauthorized Electronic Interactions

F3737-25 Standard Specification for Aircraft Design and Construction

F3789-25 Standard Guide for Endurance Testing of Aeroplane Flight Control System Actuators and Other System Elements

F3703-25 Standard Specification for Aircraft Inflatable Restraint Systems

F3117/F3117M-25a Standard Specification for Crew Interface in Aircraft

F3264-25 Standard Specification for Normal Category Aeroplanes Certification

F3361-18(2025) Standard Guide for Classifying Alterations for In-Service Aircraft under FAA Authority Oversight

F3764-25 Standard Guide for Medical Qualifications for Orbital Vehicle Participant

F3768-25 Standard Specification for IFR Operations in IMC for a Light-Sport Aircraft

F3793-25 Standard Specification for Flight Characteristics and Performance

F3198-25 Standard Specification for Light Sport Aircraft Manufacturer's
Continued Operational Safety (COS) Program

F3066/F3066M-26 Standard Specification for Aircraft Powerplant Installation
Hazard Mitigation