



Designation: F2746 – 14 (Reapproved 2023)

Standard Specification for Pilot's Operating Handbook (POH) for Light Sport Airplane¹

This standard is issued under the fixed designation F2746; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification provides the minimum requirements for a Pilot's Operating Handbook (POH) for an aircraft designed, manufactured, and operated as a light sport aircraft.

1.2 This specification defines the POH information that shall be provided by the aircraft manufacturer of a new airplane or airplane kit as a part of the initial sale or transfer to the first-end user.

NOTE 1—The POH may also be referred to as an Aircraft Operating Instruction (AOI). However, POH is considered the approved nomenclature.

1.3 This specification applies to an airplane seeking civil aviation authority approval, in the form of flight certificates, flight permits, or other like documentation as a light sport aircraft.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

F2245 Specification for Design and Performance of a Light Sport Airplane

F2295 Practice for Continued Operational Safety Monitor-

ing of a Light Sport Aircraft (Withdrawn 2019)³
F2972 Specification for Light Sport Aircraft Manufacturer's Quality Assurance System

3. Terminology

3.1 *Definitions:*

3.1.1 *flight training supplement (FTS)*, *n*—additional information provided by the airplane manufacturer to provide instruction in special or unusual pilot operation not covered in normal flight training.

3.1.2 *original equipment manufacturer (OEM)*, *n*—company that controls the engineering and design rights for (1) the LSA or an assembly, subassembly, accessory, or part installed in the aircraft; (2) the consumable materials, tools, fixtures, and test equipment used to service or maintain the aircraft.

3.2 *Acronyms:*

3.2.1 *IAS*—indicated airspeed

3.2.2 *POH*—pilot's operating handbook

4. General Requirements

4.1 The POH provides information on the following areas for a specific model of aircraft:

4.1.1 Operating procedures and limitations.

4.1.2 Performance.

4.1.3 Installed controls, indicators, equipment, and accessories. This information shall be included through one of the following methods:

4.1.3.1 Detailing the information, including component OEM data, within the POH supplements.

4.1.3.2 Referencing separate component OEM provided instructions or manuals.

4.1.3.3 Any combination of 4.1.3.1 and 4.1.3.2.

4.2 The POH technical content shall be consistent with the data developed in accordance with Specification **F2245**.

4.3 The POH shall be delivered in accordance with required product information requirements.

4.4 The POH shall be structured in accordance with the requirements in Section 5.

¹ This specification is under the jurisdiction of ASTM Committee **F37** on Light Sport Aircraft and is the direct responsibility of Subcommittee **F37.20** on Airplane.

Current edition approved Jan. 1, 2023. Published January 2023. Originally approved in 2009. Last previous edition approved in 2014 as F2746 – 14. DOI: 10.1520/F2746-14R23.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ The last approved version of this historical standard is referenced on www.astm.org.