



Designation: F 2415 – 06

# Standard Practice for Continued Airworthiness System for Light Sport Gyroplane Aircraft<sup>1</sup>

This standard is issued under the fixed designation F 2415; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This practice covers continued operational safety monitoring of light sport gyroplane aircraft.

1.2 This practice applies to light sport gyroplane aircraft seeking civil aviation authority approval in the form of flight certificates, flight permits, or other like documentation. This practice applies to kit and ready-to-fly aircraft supplied by a manufacturer.

1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

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 and health practices and determine the applicability of regulatory limitations prior to use.*

## 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

**F 2352** Specification for Design and Performance of Light Sport Gyroplane Aircraft

**F 2449** Specification for Manufacturer Quality Assurance Program for Light Sport Gyroplane Aircraft

## 3. Terminology

3.1 *Definitions:*

3.1.1 *light sport gyroplane, n*—powered rotorcraft designed in accordance with Specification **F 2352**.

3.1.2 *manufacturer, n*—any entity engaged in the production of a light sport gyroplane aircraft or light sport gyroplane aircraft kit.

<sup>1</sup> This practice is under the jurisdiction of ASTM Committee F37 on Light Sport Aircraft and is the direct responsibility of Subcommittee F37.50 on Gyroplane.

Current edition approved June 1, 2006. Published June 2006. Originally approved in 2004. Last previous edition approved in 2005 as F 2415 – 05.

<sup>2</sup> 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.

## 4. Significance and Use

4.1 The purpose of this practice is to establish a method by which safety of flight issues are discovered, evaluated, and corrected for the purpose of maintaining operational safety of a light sport gyroplane aircraft.

## 5. Current Owner List Documentation

5.1 A current owner list will be maintained by the manufacturer that includes all aircraft in service by serial number and registration number, together with the name and address of the owner.

5.2 In cases where the presiding aviation authority records of registered owners is sufficient for tracking aircraft and the manufacturer has access to such records, the manufacturer may elect to utilize such records for complying with this section.

## 6. Responsibilities of the Manufacturer

6.1 *Manufacturer's Responsibilities*—LSA gyroplane manufacturers shall develop and implement a system of receiving, evaluating, and correcting safety of flight and service difficulty issues.

6.1.1 Manufacturer shall evaluate all safety of flight and service difficulty reports and shall initiate corrective action as needed to correct any safety of flight related issues.

6.1.2 Manufacturer shall not use notices of corrective action to promote or make mandatory non-safety of flight related equipment upgrades or additions.

6.1.3 The manufacturer shall provide with the delivery of each LSA gyroplane documented continued airworthiness instructions in the English language. These instructions shall include at least the following:

6.1.3.1 A method for the owner/operator to report maintenance, service, and safety difficulties to the manufacturer, in accordance with Section 8.

6.1.3.2 A method for the owner/operator to obtain and verify that they have the latest safety of flight information developed by the manufacturer, in accordance with Section 9.

6.1.3.3 Instructions pertaining to annual and 100-h inspection items, as needed.