



Designation: F 2415 – 04

Standard Practice for Continued Airworthiness System for Light Sport Gyroplane Aircraft¹

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 (ϵ) 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:*²

F 2352 Specification for Design and Performance of 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.

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.

6. Responsibilities of the Owner/Operator

6.1 Current owners shall make all service publications, as defined in this practice, available to all operators of the aircraft to which they apply.

6.2 In order for the special airworthiness certificate for any light sport gyroplane aircraft to be valid, the new owner of an aircraft that has transferred ownership must notify the manufacturer and have the current owner list appropriately updated to include the new owner's name.

6.3 Should an owner/operator not comply with any mandatory service requirement, the light sport gyroplane shall not be considered in compliance with applicable ASTM standards and may be subject to regulatory action by the presiding aviation authority.

7. Monitoring, Investigation, and Remedial Action

7.1 Manufacturers must provide definitions for those service difficulties to be reported to the manufacturer by the owners/operators.

7.2 Manufacturers must provide a means for owners/operators to report such service difficulties.

7.3 Manufacturers shall maintain contact with authorized resellers and owners who report incidents or other situations that might relate to safety, operations, or maintenance of aircraft produced and placed in service.

7.4 Manufacturers will promptly investigate all reported failures, malfunctions, or defects and develop the appropriate corrective action.

7.5 Manufacturers must document all service difficulty reports and maintain a record of the analysis used in determining the level of response.

¹ 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 July 1, 2004. Published August 2004.

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.