

§§ 34.61–34.71 [Reserved]

**PART 35—AIRWORTHINESS
STANDARDS: PROPELLERS****Subpart A—General**

Sec.

- 35.1 Applicability.
- 35.2 Propeller configuration.
- 35.3 Instructions for propeller installation and operation.
- 35.4 Instructions for Continued Airworthiness.
- 35.5 Propeller ratings and operating limitations.
- 35.7 Features and characteristics.

Subpart B—Design and Construction

- 35.11 [Reserved]
- 35.13 [Reserved]
- 35.15 Safety analysis.
- 35.16 Propeller critical parts.
- 35.17 Materials and manufacturing methods.
- 35.19 Durability.
- 35.21 Variable and reversible pitch propellers.
- 35.22 Feathering propellers.
- 35.23 Propeller control system.
- 35.24 Strength.

Subpart C—Tests and Inspections

- 35.31 [Reserved]
- 35.33 General.
- 35.34 Inspections, adjustments and repairs.
- 35.35 Centrifugal load tests.
- 35.36 Bird impact.
- 35.37 Fatigue limits and evaluation.
- 35.38 Lightning strike.
- 35.39 Endurance test.
- 35.40 Functional test.
- 35.41 Overspeed and overtorque.
- 35.42 Components of the propeller control system.
- 35.43 Propeller hydraulic components.
- 35.45–35.47 [Reserved]

**APPENDIX A TO PART 35—INSTRUCTIONS FOR
CONTINUED AIRWORTHINESS**

AUTHORITY: 49 U.S.C. 106(f), 106(g), 40113, 44701–44702, 44704.

SOURCE: Docket No. 2095, 29 FR 7458, June 10, 1964, unless otherwise noted.

Subpart A—General**§ 35.1 Applicability.**

(a) This part prescribes airworthiness standards for the issue of type certificates and changes to those certificates, for propellers.

(b) Each person who applies under part 21 for such a certificate or change

must show compliance with the applicable requirements of this part.

(c) An applicant is eligible for a propeller type certificate and changes to those certificates after demonstrating compliance with subparts A, B, and C of this part. However, the propeller may not be installed on an airplane unless the applicant has shown compliance with either § 23.2400(c) or § 25.907 of this chapter, as applicable, or compliance is not required for installation on that airplane.

(d) For the purposes of this part, the propeller consists of those components listed in the propeller type design, and the propeller system consists of the propeller and all the components necessary for its functioning, but not necessarily included in the propeller type design.

[Amdt. 35–3, 41 FR 55475, Dec. 20, 1976, as amended by Amdt. 35–8, 73 FR 63346, Oct. 24, 2008; Doc. FAA–2015–1621, Amdt. 35–10, 81 FR 96700, Dec. 30, 2016]

§ 35.2 Propeller configuration.

The applicant must provide a list of all the components, including references to the relevant drawings and software design data, that define the type design of the propeller to be approved under § 21.31 of this chapter.

[Amdt. 35–8, 73 FR 63346, Oct. 24, 2008]

§ 35.3 Instructions for propeller installation and operation.

The applicant must provide instructions that are approved by the Administrator. Those approved instructions must contain:

(a) Instructions for installing the propeller, which:

(1) Include a description of the operational modes of the propeller control system and functional interface of the control system with the airplane and engine systems;

(2) Specify the physical and functional interfaces with the airplane, airplane equipment and engine;

(3) Define the limiting conditions on the interfaces from paragraph (a)(2) of this section;

(4) List the limitations established under § 35.5;

(5) Define the hydraulic fluids approved for use with the propeller, including grade and specification, related