

PART 35—AIRWORTHINESS STANDARDS: PROPELLERS

Subpart A—General

Sec.

- 35.1 Applicability.
- 35.3 Instruction manual for installing and operating the propeller.
- 35.4 Instructions for Continued Airworthiness.
- 35.5 Propeller operating limitations.

Subpart B—Design and Construction

- 35.11 Applicability.
- 35.13 General.
- 35.15 Design features.
- 35.17 Materials.
- 35.19 Durability.
- 35.21 Reversible propellers.
- 35.23 Pitch control and indication.

Subpart C—Tests and Inspections

- 35.31 Applicability.
- 35.33 General.
- 35.35 Blade retention test.
- 35.37 Fatigue limit tests.
- 35.39 Endurance test.
- 35.41 Functional test.
- 35.42 Blade pitch control system component test.
- 35.43 Special tests.
- 35.45 Teardown inspection.
- 35.47 Propeller adjustments and parts replacements.

APPENDIX A TO PART 35—INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

AUTHORITY: 49 U.S.C. 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.

[Amdt. 35-3, 41 FR 55475, Dec. 20, 1976]

§ 35.3 Instruction manual for installing and operating the propeller.

Each applicant must prepare and make available an approved manual or

manuals containing instructions for installing and operating the propeller.

[Amdt. 35-5, 45 FR 60181, Sept. 11, 1980]

§ 35.4 Instructions for Continued Airworthiness.

The applicant must prepare Instructions for Continued Airworthiness in accordance with appendix A to this part that are acceptable to the Administrator. The instructions may be incomplete at type certification if a program exists to ensure their completion prior to delivery of the first aircraft with the propeller installed, or upon issuance of a standard certificate of airworthiness for an aircraft with the propeller installed, whichever occurs later.

[Amdt. 35-5, 45 FR 60181, Sept. 11, 1980]

§ 35.5 Propeller operating limitations.

Propeller operating limitations are established by the Administrator, are included in the propeller type certificate data sheet specified in §21.41 of this chapter, and include limitations based on the operating conditions demonstrated during the tests required by this part and any other information found necessary for the safe operation of the propeller.

[Amdt. 35-5, 45 FR 60182, Sept. 11, 1980]

Subpart B—Design and Construction

§ 35.11 Applicability.

This subpart prescribes the design and construction requirements for propellers.

§ 35.13 General.

Each applicant must show that the propeller concerned meets the design and construction requirements of this subpart.

§ 35.15 Design features.

The propeller may not have design features that experience has shown to be hazardous or unreliable. The suitability of each questionable design detail or part must be established by tests.