

Federal Aviation Administration, DOT

§ 39.13

PART D—NOISE LIMITS PROCEDURE UNDER §36.805

Section J36.301 Noise Measurement, Evaluation, and Calculation

Compliance with this part of this appendix must be shown with noise levels measured, evaluated, and calculated as prescribed under parts B and C of this appendix.

Section J36.303 [Reserved]

Section J36.305 Noise Limits

For compliance with this appendix, the calculated noise levels of the helicopter, at the measuring point described in section J36.101 of this appendix, must be shown to not exceed the following (with appropriate interpolation between weights):

(a) For primary, normal, transport, and restricted category helicopters having a maximum certificated takeoff weight of not more than 6,000 pounds and noise tested under this appendix, the Stage 2 noise limit is 82 decibels SEL for helicopters with maximum certificated takeoff weight at which the noise certification is requested, of up to 1,764 pounds and increasing at a rate of 3.01 decibels per doubling of weight thereafter. The limit may be calculated by the equation:

L_{AE(limit)}=82+3.01[log₁₀(MTOW/1764)/log₁₀(2)] dB; where MTOW is the maximum takeoff weight, in pounds, for which certification under this appendix is requested.

(b) The procedures required in this amendment shall be done in accordance with the International Electrotechnical Commission IEC Publication No. 804, entitled "Integrating-averaging Sound Level Meters," First Edition, dated 1985. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from the Bureau Central de la Commission Electrotechnique Internationale, 1, rue de Varembe, Geneva, Switzerland or the American National Standard Institute, 1430 Broadway, New York City, New York 10018, and can be inspected at the Office of the Federal Register, 800 North Capitol Street NW., suite 700, Washington, DC.

[Doc. No. 26910, 57 FR 42855, Sept. 16, 1992, as amended by Amdt. 36-20, 57 FR 46243, Oct. 7, 1992]

PART 39—AIRWORTHINESS DIRECTIVES

Subpart A—General

- Sec.
39.1 Applicability.
39.3 General.

Subpart B—Airworthiness Directives

- 39.11 Applicability.
39.13 Airworthiness directives.

AUTHORITY: 49 U.S.C. 106(g), 40113, 44701.

SOURCE: Docket No. 5061, 29 FR 14403, Oct. 20, 1964, unless otherwise noted.

Subpart A—General

§39.1 Applicability.

This part prescribes airworthiness directives that apply to aircraft, aircraft engines, propellers, or appliances (hereinafter referred to in this part as "products") when—

- (a) An unsafe condition exists in a product; and
(b) That condition is likely to exist or develop in other products of the same type design.

[Doc. No. 5061, 29 FR 14403, Oct. 20, 1964, as amended by Amdt. 39-106, 30 FR 8826, July 14, 1965]

§39.3 General.

No person may operate a product to which an airworthiness directive applies except in accordance with the requirements of that airworthiness directive.

Subpart B—Airworthiness Directives

§39.11 Applicability.

This subpart identifies those products in which the Administrator has found an unsafe condition as described in §39.1 and, as appropriate, prescribes inspections and the conditions and limitations, if any, under which those products may continue to be operated.

§39.13 Airworthiness directives.

All airworthiness directives contained in §507.10 of the regulations of the Administrator are hereby transferred to this section of the Federal Aviation Regulations.

EDITORIAL NOTE: Airworthiness directives prescribed under this subpart were published in full in the FEDERAL REGISTER at 21 FR 9449, Dec. 4, 1956. For FEDERAL REGISTER citations to amendments in 1957 and subsequent years, see former §507.10 of this title, in a separate volume entitled "List of Sections Affected 1949-1963." See also §39.13 in a

separate volume entitled “List of CFR Sections Affected, 1964–1972 and 1973–1985,” and the List of CFR Sections Affected at the end of this volume.

PART 43—MAINTENANCE, PREVENTIVE MAINTENANCE, REBUILDING, AND ALTERATION

Sec.

- 43.1 Applicability.
- 43.2 Records of overhaul and rebuilding.
- 43.3 Persons authorized to perform maintenance, preventive maintenance, rebuilding, and alterations.
- 43.5 Approval for return to service after maintenance, preventive maintenance, rebuilding, or alteration.
- 43.7 Persons authorized to approve aircraft, airframes, aircraft engines, propellers, appliances, or component parts for return to service after maintenance, preventive maintenance, rebuilding, or alteration.
- 43.9 Content, form, and disposition of maintenance, preventive maintenance, rebuilding, and alteration records (except inspections performed in accordance with part 91, part 123, part 125, §135.411(a)(1), and §135.419 of this chapter).
- 43.11 Content, form, and disposition of records for inspections conducted under parts 91 and 125 and §§135.411(a)(1) and 135.419 of this chapter.
- 43.12 Maintenance records: Falsification, reproduction, or alteration.
- 43.13 Performance rules (general).
- 43.15 Additional performance rules for inspections.
- 43.16 Airworthiness Limitations.
- 43.17 Maintenance, preventive maintenance, and alterations performed on U.S. aeronautical products by certain Canadian persons.

APPENDIX A TO PART 43—MAJOR ALTERATIONS, MAJOR REPAIRS, AND PREVENTIVE MAINTENANCE

APPENDIX B TO PART 43—RECORDING OF MAJOR REPAIRS AND MAJOR ALTERATIONS

APPENDIX C TO PART 43—[RESERVED]

APPENDIX D TO PART 43—SCOPE AND DETAIL OF ITEMS (AS APPLICABLE TO THE PARTICULAR AIRCRAFT) TO BE INCLUDED IN ANNUAL AND 100-HOUR INSPECTIONS

APPENDIX E TO PART 43—ALTIMETER SYSTEM TEST AND INSPECTION

APPENDIX F TO PART 43—ATC TRANSPONDER TESTS AND INSPECTIONS

AUTHORITY: 49 U.S.C. 106(g), 40113, 44701, 44703, 44705, 44707, 44711, 44713, 44717.

SOURCE: Docket No. 1993, 29 FR 5451, Apr. 23, 1964, unless otherwise noted.

EDITORIAL NOTE: For miscellaneous technical amendments to this part 43, see Amdt. 43–3, 31 FR 3336, Mar. 3, 1966, and Amdt. 43–6, 31 FR 9211, July 6, 1966.

§43.1 Applicability.

(a) Except as provided in paragraph (b) of this section, this part prescribes rules governing the maintenance, preventive maintenance, rebuilding, and alteration of any—

- (1) Aircraft having a U.S. airworthiness certificate;
- (2) Foreign-registered civil aircraft used in common carriage or carriage of mail under the provisions of Part 121, 127, or 135 of this chapter; and
- (3) Airframe, aircraft engines, propellers, appliances, and component parts of such aircraft.

(b) This part does not apply to any aircraft for which an experimental airworthiness certificate has been issued, unless a different kind of airworthiness certificate had previously been issued for that aircraft.

[Doc. No. 1993, 29 FR 5451, Apr. 23, 1964, as amended by Amdt. 43–23, 47 FR 41084, Sept. 16, 1982]

§43.2 Records of overhaul and rebuilding.

(a) No person may describe in any required maintenance entry or form an aircraft, airframe, aircraft engine, propeller, appliance, or component part as being overhauled unless—

- (1) Using methods, techniques, and practices acceptable to the Administrator, it has been disassembled, cleaned, inspected, repaired as necessary, and reassembled; and
- (2) It has been tested in accordance with approved standards and technical data, or in accordance with current standards and technical data acceptable to the Administrator, which have been developed and documented by the holder of the type certificate, supplemental type certificate, or a material, part, process, or appliance approval under §21.305 of this chapter.

(b) No person may describe in any required maintenance entry or form an aircraft, airframe, aircraft engine, propeller, appliance, or component part as being rebuilt unless it has been disassembled, cleaned, inspected, repaired as necessary, reassembled, and tested