European Aviation Safety Agency

Certification Specifications and Acceptable Means of Compliance for Aircraft Noise

CS-36

Amendment 3
29 January 2013
CONTENTS (general layout)

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AIRCRAFT NOISE

PREAMBLE

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PREAMBLE

CS-36 Amendment 3 — Effective: 29/01/2013

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CS-36 Amendment 2 — Effective: 07/09/2009

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CS-36 Amendment 1 — Effective: 03/04/2007

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Book 1

Certification Specifications
CS 36 BOOK 1

CS 36.1 Aircraft noise
(See AMC 36.1 and GM 36.1)

The aircraft must be designed to comply with the applicable noise requirements defined under 21A.18(a).
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Book 2

Acceptable Means of Compliance and Guidance Material
AMC 36.1 Aircraft noise

The acceptable means of compliance for aircraft noise are presented in:

(a) for aeroplanes for which Chapter 2 of Annex 16 to the Chicago Convention\(^1\), Volume I, Part II is applicable, Appendix 1 of Annex 16, Volume I;

(b) for aeroplanes for which Chapter 3 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 2 of Annex 16, Volume I;

(c) for aeroplanes for which Chapter 4 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 2 of Annex 16, Volume I;

(d) for aeroplanes for which Chapter 5 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 2 of Annex 16, Volume I;

(e) for aeroplanes for which Chapter 6 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 3 of Annex 16, Volume I;

(f) for helicopters for which Chapter 8 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 2 of Annex 16, Volume I;

(g) for aeroplanes for which Chapter 10 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 6 of Annex 16, Volume I;

(h) for helicopters for which Chapter 11 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 4 of Annex 16, Volume I; and

(i) for aeroplanes for which Chapter 12 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 1 of Annex 16, Volume I.

GM 36.1 Aircraft noise

Guidance material for the application of the certification specifications for aircraft noise is presented in:

(a) for equations for the calculation of noise levels as a function of take-off mass, Attachment A to ICAO Annex 16, Volume I;

(b) for evaluating an alternative method of measuring helicopter noise during approach, Attachment D to ICAO Annex 16, Volume I;

(c) for applicability of noise certification standards for propeller-driven aeroplanes, Attachment E to ICAO Annex 16, Volume I;

(d) for general guidelines, Chapter 2 of the ICAO Environmental Technical Manual, Volume I;

(e) for technical procedures applicable for noise certification of more than one type of aircraft, Chapter 3 of the ICAO Environmental Technical Manual, Volume I;

(f) for guidelines for subsonic jet aeroplanes, propeller-driven aeroplanes over 8 616 kg, and helicopters evaluated under ICAO Annex 16, Volume I, Appendix 2, Chapter 4 of the ICAO Environmental Technical Manual, Volume I;

(g) for guidelines for propeller-driven aeroplanes not exceeding 8 616 kg evaluated under Appendix 6 of ICAO Annex 16, Volume I, Chapter 5 of the ICAO Environmental Technical Manual, Volume I;

\(^1\) The Convention on International Civil Aviation on 7 December 1944.


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(h) for guidelines for helicopters not exceeding 3 175 kg evaluated under Appendix 4 of ICAO Annex 16, Volume I, Chapter 6 of the ICAO Environmental Technical Manual, Volume I; and

(i) for guidelines for aircraft recertification, Chapter 9 of the ICAO Environmental Technical Manual, Volume I.


[Amtd. 36/1]
[Amtd. 36/2]
[Amtd. 36/3]