

European Aviation Safety Agency

**Certification Specifications
and Acceptable Means of
Compliance
for
Aircraft Noise**

CS-36

Amendment 3
29 January 2013

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CONTENTS (general layout)

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AIRCRAFT NOISE

PREAMBLE

BOOK 1 – NOISE REQUIREMENTS

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PREAMBLE

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

The following is a list of paragraphs affected by this amendment.

Title page	Amended
Book 2	
GM 36.1 (a) to (c)	Amended
GM 36.1 (d) to (r) of amendment 2	Deleted
GM 36.1 (d) to (i)	Added
GM 36.1 final section	Amended

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

The following is a list of paragraphs affected by this amendment:

Book 2	
GM 36.1 (p)	Amended
GM 36.1 (q)	Amended
GM 36.1 (r)	Added
GM 36.1 final section	

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

The following is a list of paragraphs affected by this amendment:

Title page	Amended
Contents	Contents page added
Preamble	Preamble page added
Book 1	Title page amended
Book 2	
AMC 36.1 (a) (i)	Amended
GM 36.1 (a) (h), (j) and (q)	Amended
GM 36.1 (i)	Deleted and reserved
GM 36.1	Final section Amended

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Book 1

Certification Specifications

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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**

CS-36 BOOK 2**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 Convention¹, 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.

References throughout these Certification Specifications to the ICAO Environmental Technical Manual, Volume I refer to ICAO Doc 9501 — Environmental Technical Manual, Volume I — Procedures for the Noise Certification of Aircraft, First Edition 2010.

[Amdt. 36/1]

[Amdt. 36/2]

[Amdt. 36/3]