

European Aviation Safety Agency

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

CS-36**

Amendment 4

12 January 2016¹

¹ For the date of entry into force of this Issue, please refer to Decision 2016/002/R in the [Official Publication](#) of the Agency.

CS-36

CONTENTS (general layout)

CS-36

AIRCRAFT NOISE

PREAMBLE

BOOK 1 – NOISE REQUIREMENTS

BOOK 2 – ACCEPTABLE MEANS OF COMPLIANCE AND GUIDANCE MATERIAL

CS-36**PREAMBLE****CS-36 Amendment 4 — Effective: 26/01/2016**

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

Title page	Amended
<u>Book 1</u>	
CS 36.1	Amended
<u>Book 2</u>	
AMC 36.1(a) to (i)	Amended
AMC 36.1(j) and (k)	Added
GM 36.1(a)	Amended
GM 36.1(e)	Amended
GM 36.1(g)	Amended
GM 36.1(h)	Amended
GM 36.1(i)	Added
GM 36.1 final section	Amended

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

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

Title page	Amended
<u>Book 2</u>	
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:

<u>Book 2</u>	
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:

CS-36

Title page	Amended
Contents	Contents page added
Preamble	Preamble page added
<u>Book 1</u>	
Title page	Amended
<u>Book 2</u>	
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

CS-36 BOOK 1

CS-36

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 21.A.18(a).

[Amdt 36/4]

CS-36 BOOK 2

CS-36

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 Convention², Volume I, Part II is applicable, Appendix 1 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to Annex 16, Volume I;
- (i) for aeroplanes for which Chapter 12 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 1 to Annex 16, Volume I;
- (j) for tilt-rotors for which Chapter 13 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 2 to Annex 16, Volume I; and
- (k) for aeroplanes for which Chapter 14 of Annex 16 to the Chicago Convention, Volume I, Part II is applicable, Appendix 2 to Annex 16, Volume I.

[Amdt 36/4]

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 maximum permitted 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 all aircraft types, Chapter 3 of the ICAO Environmental Technical Manual, Volume I;

² The Convention on International Civil Aviation on 7 December 1944.

CS-36 BOOK 2

- (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 to ICAO Annex 16, Volume I, Chapter 5 of the ICAO Environmental Technical Manual, Volume I;
- (h) for guidelines for helicopters not exceeding 3 175 kg evaluated under Appendix 4 to ICAO Annex 16, Volume I, Chapter 6 of the ICAO Environmental Technical Manual, Volume I;
- (i) for guidelines for tilt-rotors evaluated in accordance with Chapter 13 and Attachment F to ICAO Annex 16, Volume I, Chapter 7 of the ICAO Environmental Technical Manual, Volume I; and
- (j) 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, Second Edition 2015.

[Amdt 36/1]

[Amdt 36/2]

[Amdt 36/3]

[Amdt 36/4]