

CS-36 AMENDMENT 3 - CHANGE INFORMATION

The Agency publishes amendments to Certification Specifications as consolidated documents. These documents are used for establishing the certification basis for applications made after the date of entry into force of the amendment.

Consequently, except for a note 'Amdt. 36/3' under the amended paragraph, the consolidated text of CS-36 does not allow readers to see the detailed changes introduced by the new amendment. To allow readers to also see these detailed changes this document has been created. The same format as for publication of Notices of Proposed Amendments has been used to show the changes:

1. deleted text is shown with a strike through: ~~deleted~~
2. new or changed text is highlighted with grey shading: **new**
3. ... indicates that remaining text is unchanged in front of or following the reflected amendment.

Amend main cover page to read:

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

CS-36

Amendment 23
~~31 August 2009~~
29 January 2013

Amend Table of contents to read:

PREAMBLE

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

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

Title page	Amended
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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
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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

Amend Book 2 to read:

Acceptable Means of Compliance and Guidance Material

...

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 to the Chicago Convention, Volume I;
- (b) for evaluating an alternative method of measuring helicopter noise during approach, Attachment D to ICAO Annex 16 to the Chicago Convention, Volume I;
- (c) for applicability of noise certification standards for propeller-driven aeroplanes, Attachment E to ICAO Annex 16, Volume I;
- ~~(d) for equivalent procedures for subsonic jet aeroplanes, Chapter 2 of the International Civil Aviation Organisation (ICAO) Environmental Technical Manual;~~
- ~~(e) for equivalent procedures for propeller driven aeroplanes over 8,618 kg, Chapter 3 of the ICAO Environmental Technical Manual;~~
- ~~(f) for equivalent procedures for propeller driven aeroplanes not exceeding 8,618 kg, Chapter 4 of the ICAO Environmental Technical Manual;~~
- ~~(g) for equivalent procedures for helicopters, Chapter 5 of the ICAO Environmental Technical Manual;~~
- ~~(h) for evaluation methods, Chapter 6 of the ICAO Environmental Technical Manual;~~
- ~~(i) [Reserved];~~
- ~~(j) for control of noise certification computer programme software and documentation related to static to flight projection processes, Chapter 8 of the ICAO Environmental Technical Manual;~~
- ~~(k) for calculation of confidence intervals, Appendix 1 of the ICAO Environmental Technical Manual;~~
- ~~(l) for identification of spectral irregularities, Appendix 2 of the ICAO Environmental Technical Manual;~~
- ~~(m) for a procedure for removing the effects of ambient noise levels from aeroplane noise data, Appendix 3 of the ICAO Environmental Technical Manual;~~
- ~~(n) for reference tables and figures used in the manual calculation of Effective Perceived Noise Level, Appendix 4 of the ICAO Environmental Technical Manual;~~
- ~~(o) for worked examples of calculation of reference flyover height and reference conditions for source noise adjustments for certification of light propeller driven aeroplanes, Appendix 5 of the ICAO Environmental Technical Manual;~~
- ~~(p) for noise data corrections for tests at high altitude test sites, Appendix 6 of the ICAO Environmental Technical Manual;~~
- ~~(q) for reassessment criteria for the recertification of an aeroplane to Annex 16 to the Chicago Convention, Volume 1, Chapter 4, Appendix 8 of the ICAO Environmental Technical Manual; and~~
- ~~(r) for the use of DGPS based time space position information tracking systems, Appendix 10 of the ICAO Environmental Technical Manual.~~
- (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;
- (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 the ICAO Environmental Technical Manual on the Use of Procedures in the Noise Certification of Aircraft, ICAO/CAEP/7 approved revision, 2 April 2007 (based on ICAO Doc 9501 AN/929; Third Edition — 2004) ICAO Doc 9501 — Environmental Technical Manual, Volume I — Procedures for the Noise Certification of Aircraft, First Edition 2010.

Amdt. 36/3