



**European Aviation Safety Agency
Rulemaking Directorate**

EXPLANATORY NOTE

CS-23 Amendment 2

Table of contents

1.	General	p. 1
2.	CRD reactions	p. 2
3.	Editorial corrections in CS-23 Amendment 2	p. 2

1. GENERAL

Executive Director Decision 2010/007/R amends Decision No. 2003/14/RM of 14 November 2003 (CS-23 Initial Issue) as last amended by Executive Director Decision 2009/01/R of 12 February 2009 (CS-23 Amendment 1). It represents Amendment 2 of CS-23 normal, utility, aerobatic and commuter category aeroplanes, and incorporates the output from the following EASA rulemaking task:

Rulemaking Task No.	TITLE	NPA No.
MDM.034	Composites	2009-06

Each Notice of Proposed Amendment (NPA) has been subject to consultation in accordance with Article 52 of the Basic Regulation¹ and Article 15 of the Rulemaking Procedure established by the Management Board². For detailed information on the proposed changes and their justification please consult the above NPAs, which are available on the Agency's website.

The Agency has addressed and responded to the comments received on each of the NPAs. The responses are contained in a comment-response document (CRD), which has been produced for each NPA (CRDs 2009-06) and which are also available on the Agency's website.

¹ Regulation (EC) No 216/2008 of the European Parliament and of the Council of 20 February 2008 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency, and repealing Council Directive 91/670/EEC, Regulation (EC) No 1592/2002 and Directive 2004/36/EC. OJ L 79, 19.03.2008, p. 1. Regulation as last amended by Regulation (EC) No 1108/2009 of the European Parliament and of the Council of 21 October 2009 (OJ L 309, 24.11.2009, p. 51).

² Management Board decision concerning the procedure to be applied by the Agency for the issuing of opinions, certification specifications and guidance material ("Rulemaking Procedure"), EASA MB 08-2007-03, 13.6.2007.



**European Aviation Safety Agency
Rulemaking Directorate**

EXPLANATORY NOTE

2. CRD REACTIONS

In response to CRD 2009-06, the Agency received one substantive reaction applicable to CS-23, which is reproduced below together with the Agency's response:

Commentor/ Reference	Reaction	EASA Response
UK-CAA	<p>ANC-18 is still readily available as a publication, and until equivalent guidance is available in the public domain, it is suggested that the reference to ANC-18 is kept in the airworthiness codes and guidance material.</p> <p>ANC-18 provides relevant properties for soft and hard woods and provides useful guidance for the analysis of wooden aircraft structures.</p>	<p>Partially Accepted</p> <p>The Agency agrees that there may be some value in identifying wood, and the associated references, in AMC 23.613. However, the Agency understands that ANC-18 is no longer a supported document. Therefore, it cannot be identified directly. However, recognising that ANC-18 is considered a useful document, and in the absence of alternative documentation, EASA proposes the following final sentence:</p> <p><i>'For wooden structures, ANC-18 'Design of Wooden Aircraft Structures' has been used for design guidance.'</i></p>

3. EDITORIAL CORRECTIONS IN CS-23 AMENDMENT 2

Apart from the changes that resulted from the above NPAs, this Amendment 2 of CS-23 also incorporates several changes aiming to remove certain editorial errors and inconsistencies identified. Their description/justification is as follows:

- Book 1, Subpart B, CS 23.221: Reference in CS 23.221(b) to CS 23.807(b)(7) is replaced with the correct reference of (b)(6) and the reference in CS 23.221(c) to CS 23.807(b)(6) is replaced with the correct reference to (b)(5).
- Book 1, Subpart D, CS23.813(b)(4): The incorrect word "passageway" has been replaced by "passenger".
- Book 1, Subpart E, CS 23.909: Reference is corrected to AMC 23.909(d)(1).
- Book 1, Subpart E: Remove page 1-E-26 in its entirety as this repeats the previous page from CS 23.1199(b).
- Book 1, Appendix D, D23.1: The unit for Iw (rotation mass moment of inertia) has been corrected.
- Book 2, AMC 23.629: Reference to FAA AC 23.629-1A is amended to the latest -1B version.
- Book 2, Flight Test Guide, Chapter 192: Reference to AC 23.909-1, which does not exist, is replaced with a reference to AMC 23.909(d)(1).

- Book 2, Flight Test Guide, Chapter 207: Reference to AC 23.959-1, which does not exist, is replaced with a reference to AMC 23.959(a).
- Book 2, Flight Test Guide, Chapter 208: Reference to AC 23.961-1, which does not exist, is replaced with a reference to AMC 23.961.
- Book 2, Flight Test Guide, Chapter 307: Reference to AC 23.1329-2, which does not exist, is replaced with a reference to AC 23.17B.