



**European Aviation Safety Agency  
Rulemaking Directorate**

**EXPLANATORY NOTE**

**CS-25 Amendment 1**

Executive Director Decision 2005/06/R amends Executive Director Decision No. 2003/02/RM of 17.10.2003.

This Amendment 1 of CS-25: Large Aeroplanes, incorporates the output from the following 5 EASA rulemaking tasks:

<b>Rulemaking Task No.</b>	<b>TITLE</b>	<b>NPA No.</b>
25.003	Flight Load Validation	02/2005
25.007	Miscellaneous - Powerplant	13/2004
25.009(a)	Casting Factors	08/2004
25.009(b)	Miscellaneous structure	11/2004
25.012	APU Installation and Fuel Tank Safety	10/2004

Each NPA has been subject to consultation in accordance with Article 43 of the Basic Regulation<sup>1</sup> and Article 15 of the rulemaking procedure established by the Management Board<sup>2</sup>. The Agency has addressed and responded to the comments received on each NPA. The responses are contained in a comment-response document (CRD) which has been produced for each NPA and which is available on the Agency's web-site.

Detailed changes incorporated in each NPA are summarised in the following pages for ease of reference.

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<sup>1</sup> Regulation (EC) No 1592/2002 of 15 July 2002 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency, OJ L240/1 of 7 September 2002;

<sup>2</sup> Decision concerning the Rulemaking procedure, adopted by the Management Board on 17 June 2003;



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**EXPLANATORY NOTE**

**TITLE:** CS-25 Amendment 1

**Rulemaking Task No.:** 25.003  
**Title:** Flight Loads Validation  
**NPA No.:** NPA 02/2005  
**CRD No.:** CRD 02/2005

**LIST OF PARAGRAPHS AFFECTED**

- Amendment to CS 25.301(b) to include references to AMCs No. 1 and No.2 to CS 25.301(b)
- Renumber of the existing AMC 25.301(b) as AMC No.1 to CS 25.301(b) and deletion of sub-paragraph (b)
- Addition of a new AMC No.2 to CS 25.301(b)

**GENERAL COMMENTS**

Incorporates JAA NPA 25C-343



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**EXPLANATORY NOTE**

**TITLE:** CS-25 Amendment 1

**Rulemaking Task No.:** 25.007  
**Title:** Miscellaneous - Power-plant  
**NPA No.:** NPA 13/2004  
**CRD No.:** CRD 13/2004

**LIST OF PARAGRAPHS AFFECTED**

- Modification to sub-paragraph CS 25.901(c)
- Creation of a new AMC 25.901(c)
- Amendment to sub-paragraph CS 25.933 (a)(1)
- Introduction of a new AMC to CS 25.933 (a)(1)
- Amendment to CS 25.1141 (f)
- Amendment to sub-paragraph CS 25.1189 and CS 25J1189
- Introduction of a new AMC to 25.1189

**GENERAL COMMENTS**

Incorporates the following JAA NPAs:

- 25E-337: Safety Assessment of Powerplant Installations
- 25E-338: Reversing System Requirements
- 25E-339: Powerplant Shut-off
- 25E-340: Powerplant Controls General



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**EXPLANATORY NOTE**

**TITLE:** CS-25 Amendment 1

**Rulemaking Task No.:** 25.009(a)  
**Title:** Casting Factors  
**NPA No.:** NPA 08/2004  
**CRD No.:** CRD 08/2004

**LIST OF PARAGRAPHS AFFECTED**

- Existing CS 25.621 is deleted and replaced with a new CS 25.621
- New AMC to CS 25.621 is created
- New AMC to CS 25.621(c) is created
- New AMC to CS 25.621(c)(1) is created

**GENERAL COMMENTS**

Incorporates JAA NPA 25D-272



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**EXPLANATORY NOTE**

**TITLE:** CS-25 Amendment 1

**Rulemaking Task No.:** 25.009(b)  
**Title:** Miscellaneous structure  
**NPA No.:** NPA 11/2004  
**CRD No.:** CRD 11/2004

**LIST OF PARAGRAPHS AFFECTED**

- Contents is amended to reference Appendix L
- Amendment to CS 25.251 (a) and (b)
- Addition of a new paragraph CS 25.302
- Amendment to CS 25.305 by adding sub-paragraphs (e) and (f)
- Amendment to CS 25.307
- Replacement of the existing AMC 25.307 by a new AMC 25.307
- Amendment to CS 25.341
- Amendment to AMC 25.341
- Amendment to CS 25.343(b)(1)(ii)
- Amendment to CS 25.345(c)(2)
- Amendment to CS 25.371
- Amendment to CS 25.373 (a)
- Amendment to CS 25.391
- Amendment to CS 25.427 by adding sub-paragraph (d)
- Amendment to CS 25.613
- Inserting a new AMC to 25.613
- Amendment to CS 25.629
- Inserting a new AMC to CS 25.629
- Amendment to CS 1517
- Existing Appendix K is renumbered as Appendix L
- New Appendix K is inserted
- Reference to Appendix K in CS 25.1436(b)(7) is amended

**GENERAL COMMENTS**

Incorporates the following JAA NPAs:

- 25C-199: Interaction of Systems and Structures
- 25BCD-236: Vibration, Buffet and Aeroelastic Stability
- 25D-286: Material Strength Properties and Material Design Values
- 25C-290: Proof of Structure
- 25C-309: Gust and Continuous Turbulence Design Loads

Note

Two JAA NPAs (25C-199 and 25BCD-236) proposed changes to the aeroelastic stability requirements of JAR 25.629 (d) (2) that differed in detail. Having reviewed the two proposals, EASA has concluded that the text of NPA 25C-199 should be adopted.



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**EXPLANATORY NOTE**

**TITLE:** CS-25 Amendment 1

**Rulemaking Task No.:** 25.012  
**Title:** APU Installation and Fuel Tank Safety  
**NPA No.:** NPA 10/2004  
**CRD No.:** CRD 10/2004

**LIST OF PARAGRAPHS AFFECTED**

- CS 25.1522 is deleted.
- Reference to CS 25.1522 in CS 25.1583(b)(1) is removed.
- Subpart J and the corresponding AMC to Subpart J (AMC 25A901(b)(2) to AMC 25A1195(b)) are deleted.
- A new Subpart J is created.
- The following AMCs are created:
  - AMC 25J901(c)(2)
  - AMC 25J901(c)(4)
  - AMC 25J943
  - AMC 25J955(a)(2)(iii)
  - AMC 25J991
  - AMC 25J1041
  - AMC 25J1093(b)
  - AMC 25J1195(b)
- The existing CS 25.981 is replaced by a new CS 25.981.
- A new AMC 25.981(a) is introduced.
- A new AMC 25.981(c) is introduced.

**GENERAL COMMENTS**

Incorporates the following JAA NPAs:

- 25J-300: Gas Turbine Auxiliary Power Units Installations
- 25E-342: Fuel Tank Ignition Prevention Requirements