

## CS-34 AMENDMENT 4 — CHANGE INFORMATION

EASA issues amendments to the certification specifications and acceptable means of compliance and guidance material as consolidated documents.

Consequently, except for a note '[Amdt 34/4]' under the amended paragraph, the consolidated text of CS-34 does not allow readers to see the detailed amendments that have been introduced compared to the previous amendment. To allow readers to see them, this document has been created. The same format/layout has been used as for the publication of notices of proposed amendments (NPAs):

- deleted text is ~~struck through~~;
- new or amended text is highlighted in **blue**;
- an ellipsis '[...]' indicates that the rest of the text is unchanged.

### CS 34.1 Fuel venting

The aircraft must be designed to comply with the applicable fuel venting requirements ~~defined under 21.B.85(b)~~ as specified in point 21.A.21 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012.

### GM1 34.1 Fuel venting

Point 21.A.21 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012 does not list the applicable requirements, but refers to point 21.A.20 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012 that requires the applicant to demonstrate compliance with the environmental protection requirements designated by the Agency in accordance with point 21.B.85 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012. Therefore, the environmental protection requirements which need to be complied with according to point 21.A.21 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012 are in point 21.B.85 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012.

### CS 34.2 Aircraft engine emissions

The aircraft engine must be designed to comply with the applicable emissions requirements ~~defined under 21.B.85(c)~~ as specified in point 21.A.21 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012.

### ~~AMC 34.2 Aircraft engine emissions~~

~~The acceptable means of compliance for aircraft engine emissions are presented in:~~

- ~~(a) — for measurement of reference pressure ratio, Appendix 1 to ICAO Annex 16, Volume II;~~
- ~~(b) — for smoke emission evaluation, Appendix 2 to ICAO Annex 16, Volume II;~~
- ~~(c) — for instrumentation and measurement techniques for gaseous emissions, Appendix 3 to ICAO Annex 16, Volume II;~~
- ~~(d) — for specification for fuel to be used in aircraft turbine engine emission testing, Appendix 4 to ICAO Annex 16, Volume II;~~
- ~~(e) — for instrumentation and measurement techniques for gaseous emissions from afterburning gas turbine engines, Appendix 5 to ICAO Annex 16, Volume II;~~
- ~~(f) — for compliance procedure for gaseous emissions and smoke, Appendix 6 to ICAO Annex 16, Volume II; and~~
- ~~(g) — for compliance procedure for particulate matter emissions, Appendix 7 to ICAO Annex 16, Volume II.~~

## GM1 34.2 Aircraft engine emissions

~~Guidance material for the application of the certification specifications for aircraft engine emissions is presented in ICAO Doc 9501 'Environmental Technical Manual', Volume II 'Procedures for the Emissions Certification of Aircraft Engines', Third Edition, 2018, except for the exemption process from the NO<sub>x</sub> emissions production cut-off requirements.~~

Point 21.A.21 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012 does not list the applicable requirements, but refers to point 21.A.20 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012 that requires the applicant to demonstrate compliance with the environmental protection requirements designated by the Agency in accordance with point 21.B.85 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012. Therefore, the environmental protection requirements which need to be complied with according to point 21.A.21 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012 are in point 21.B.85 of Annex I (Part 21) to Commission Regulation (EU) No 748/2012.