

European Aviation Safety Agency

European Technical Standard Order

Subject: Cargo Stopper Devices

1 — Applicability

This ETSO provides the requirements which Cargo Stopper Devices that are designed and manufactured on or after the date of this ETSO must meet in order to be identified with the applicable ETSO marking.

2 — Procedures

2.1 — General

Applicable procedures are detailed in CS-ETSO, Subpart A.

2.2 — Specific

None.

3 — Technical Conditions

3.1 — Basic

3.1.1 — Minimum Performance Standard

Standards set forth in the SAE Document No AS6554 'Cargo Stopper Devices', dated 6.7.2011 except as modified by Appendix 1 of this ETSO

3.1.2 — Environmental Standard

See Section 3.8 of AS6554.

3.1.2.1 Specific:

Consideration shall be given to available data regarding potential environmental degradation for the component straps and filling materials.

(1) Environmental degradation due to aging, ultra-violet (UV)-exposure, weathering, etc., for any materials used in the construction of cargo stopper devices shall be considered.

(2) Textile Performance: See SAE Aerospace Information Report (AIR) 1490B, Environmental Degradation of Textiles, dated December 2007, for available data for textile performance when exposed to environmental factors. These data shall be taken into account for consideration of the

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effects of environmental degradation on cargo stopper devices with the expected storage and service life.

Note: Environmental degradation data other than that documented in AIR 1490B may be used if substantiated by the applicant and approved by EASA.

3.1.3 — Software

n/a

3.1.4 — Electronic Hardware Qualification

n/a

3.2 — Specific

None.

3.2.1 — Failure Condition Classification

See CS-ETSO, Subpart A, paragraph 2.4.

4 — Marking

4.1 — General

Marking as detailed in CS-ETSO, Subpart A, paragraph 1.2.

4.2 — Specific

In addition the following marking shall be applied:

- The rated ultimate load in daN and lbf;
- The Expiration date in the format 'EXP YYYY-MM'

5 — Availability of Referenced Document

See CS-ETSO, Subpart A, paragraph 3.

APPENDIX 1

The applicable standard is SAE AS6554 'Cargo Stopper Devices', dated 6.7.2011
It shall be modified as follows:

AS6554 section:	Action:
Section 1	To be disregarded.
Section 3.7	To be replaced: Fire Protection. The materials used in the cargo stoppers shall not have an average burn rate greater than 2.5 inches per minute when tested horizontally in accordance with the applicable portions of CS-25, Appendix F, part I, paragraph (b).
Section 4.3	To be disregarded.
Section 5	To be disregarded.
Section 6	To be disregarded.