

European Aviation Safety Agency

European Technical Standard Order

Subject: Oxygen Mask Assembly, Continuous Flow, Passenger

1 - **Applicability**

This ETSO gives the requirements which new models of oxygen mask, continuous flow, passenger, that is 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 - Minimum Performance Standard

Standards set forth in the Society of Automotive Engineers (SAE), Inc, Document Aerospace Standard (AS) no AS 8025A, 'Passenger Oxygen Mask' dated (revised) January 1999, as modified in Appendix 1 of this ETSO.

3.2 - Specific

None.

4 - **Marking**

4.1 - General

Marking is detailed in CS-ETSO Subpart A paragraph 1.2.

4.2 - Specific

The markings for each mask must, in addition to the requirements in CS-ETSO Subpart A, be marked with the words 'Oxygen mask' and performance classification number as specified in SAE AS 8025 Paragraph 1.3. Additionally, the elastomer cure date (AS 8025A, paragraph 3.3.4), as well as a picture in accordance with AS8025A, paragraph 5.11, have to be marked on the article.

5 - **Availability of Referenced Document**

See CS-ETSO Subpart A paragraph 3.

APPENDIX 1.**MPS FOR PASSENGER OXYGEN MASK ASSEMBLY, CONTINUOUS FLOW**

The applicable standard is SAE AS8025A, Passenger Oxygen Mask, dated (revised) January 1999 and shall be modified as follows:

SAE AS8025A Paragraph	Action
Section 1, SCOPE	To be disregarded.
Paragraph 3.2, Deviations	To be disregarded.
Paragraph 3.3.1, General	Shall be revised: 'Construct the device, including packaging, of materials that will not contribute significantly to fire propagation and that comply with CS 25.853(a). Mask materials typically used should meet CS-25 Appendix F, Part I(a)(1)(ii) and/or Part I(a)(1)(iv).'
Paragraph 3.3.3, Cleaning and sterilization	Shall be revised: 'Cleaning and Sterilizing: The material of the oxygen mask shall permit cleaning and sterilizing without adverse effects, and without major disassembly. The cleaning method must be either manufacturer-recommended, or according to SAE ARP 1176, <i>Oxygen System Component Cleaning and Packaging</i> . Cleaning and sterilizing procedures shall be included in the CMM.'
Paragraph 3.3.4, Elastomer Components	The following sentence shall be added: 'Life limits and inspection procedures shall be included in the CMM.'
Paragraph 3.11, Identification Markings	To be Disregarded. Marking requirements are specified in paragraph 4 of this ETSO.
Paragraph 4.5.2	Flow indication must comply with AS 916B, <i>Oxygen Flow Indicators</i> , as applicable