



Technical Standard Order

Subject: TSO-C64a, OXYGEN MASK ASSEMBLY, CONTINUOUS FLOW, PASSENGER

a. Applicability.

(1) Minimum Performance Standard. This technical standard order (TSO) prescribes the minimum performance standard oxygen mask, continuous flow, passenger, devices must meet in order to be identified with the applicable TSO marking. New models of oxygen mask, continuous flow, passenger, devices that are to be so identified and that are manufactured on or after the date of this TSO must meet the standards set forth in Society of Automotive Engineers, Inc. (SAE), Aerospace Standard (AS) 8025, "Passenger Oxygen Mask," dated February 24, 1988.

(2) Environmental Standard. None.

(3) Addition. Add the following to AS 8025, paragraph 3.3.1, Federal Aviation Regulations (FAR) section 25.853: FAR section 25.853(b).

b. Marking. Each mask, in addition to the marking specified in FAR section 21.607(d), must be marked with the performance classification number as specified in AS 8025, Paragraph 2.3, Coding of Performance Classification.

c. Data Requirements.

(1) In addition to meeting the requirements of FAR section 21.605, the manufacturer must furnish the Manager, Aircraft Certification Office (ACO), Federal Aviation Administration (FAA), having purview of the manufacturer's facilities, one copy each of the following technical data:

- (i) Operating instructions.
- (ii) Equipment limitations.
- (iii) Installation procedures and limitations.

- (iv) Schematic drawings as applicable to the installation procedures.
- (v) Wiring diagrams as applicable to the installation procedures.
- (vi) Specifications.
- (vii) List of the major components (by part number) that make up the equipment system complying with the standards prescribed in this TSO.
- (viii) Manufacturer's TSO qualification test report.
- (ix) Nameplate drawing.

(2) In addition to those data requirements that are to be furnished directly to the FAA, each manufacturer must have available for review by the Manager, ACO having purview of the manufacturer's facilities, the following technical data:

- (i) A drawing list, enumerating all the drawings, materials, and processes that are necessary to define the article design.
- (ii) The functional test specification to be used to test each production article to ensure compliance with this TSO.
- (iii) Equipment calibration procedures.
- (iv) Corrective maintenance procedures (within 12 months after TSO authorization).
- (v) Schematic drawings.
- (vi) Wiring diagrams.

d. Data to be furnished with manufactured units. One copy of the data and information specified in paragraphs c.(1)(i) through (vii) of this TSO and instructions for periodic maintenance and calibration which are necessary for continued airworthiness must go to each person receiving for use one or more articles manufactured under this TSO.

e. Availability of Reference Documents.

(1) Copies of SAE AS 8025 may be purchased from the Society of Automotive Engineers, Inc., Department 331, 400 Commonwealth Drive, Warrendale, Pennsylvania 15096.

(2) Federal Aviation Regulations Part 21, Subpart O, and Advisory Circular 20-110, "Index of Aviation Technical Standard Orders," may be reviewed at the FAA Headquarters in the Aircraft Certification Service, Aircraft Engineering Division (AIR-120), and at all regional ACO's.

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TSO-C64a

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Certification Service