

European Aviation Safety Agency

European Technical Standard Order (ETSO)

Subject: **PORTABLE GASEOUS OXYGEN SUPPLY (PGOS)**

1 - Applicability

This ETSO gives the requirements which the Portable Gaseous Oxygen Supply that are manufactured on or after the date of this ETSO must meet in order to be identified with 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 Society of Automotive Engineers (SAE), Inc, Document Aerospace Standard (AS) no AS 1046, "Minimum Standard for Portable Gaseous Oxygen Equipment", Rev. B, dated 13 September 1989.

3.1.2 - Environmental Standard

The equipment must be tested according to the applicable environmental standards contained in EUROCAE ED-14E (RTCA/DO-160E) "*Environmental Conditions and Test Procedures for Airborne Equipment*" from March 2005.

3.1.3 - Computer Software

None.

3.2 - Specific

3.2.1 - Proof and Ultimate Strength Factors

For proof and ultimate strength factors CS 25.1453 (a) shall apply.

4 - Marking

4.1 - General

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

4.2 - Specific

As per AS 1046 Rev. B, dated 13 September 1989.

5 - Availability of Referenced Document

See CS-ETSO Subpart A paragraph 3