



# National Technical Standard

Subject: Portable Gaseous Oxygen Supply

## 1 Applicability

This NTS specifies the requirements which Portable Gaseous Oxygen Supplies that are manufactured on or after the date of this NTS must meet in order to be identified with the applicable NTS marking.

## 2 Procedures

Applicable procedures are detailed in JAR-21 Subpart O.

## 3 Technical Conditions

### 3.1 Minimum Performance Standard

Standards and acceptable means of compliance set forth in STR-4.

The Portable Gaseous Oxygen Supply is intended for use as first aid oxygen per JAR 25.1443 (d) with at least two outlets for passengers of aircraft. Therefore the Portable Gaseous Oxygen Supply must have a 2 L/min STPD and 4 L/min STPD constant flow outlet.

An optional constant pressure outlet may be installed for the supply of oxygen regulators per JTSO-C89 and by this fulfil the requirements of JAR 25.1443 (e).

### 3.2 Environmental Standard

If the equipment design is depending on environmental conditions, EUROCAE/RTCA document ED-14D/DO-160D, "Environmental Conditions and Test Procedures for Airborne Equipment", or the latest published revision, has to be applied.

### 3.3 Computer Software

None

## 4 Marking

### 4.1 General

Marking is detailed in JAR-21 Subpart Q.

### 4.2 Specific

None

## 5 Availability of Referenced Document

A copy of this NTS and the referenced STR documents may be obtained from the Luftfahrt-Bundesamt, Division M4, Postfach 3054, 38020 Braunschweig, Germany, [www.lba.de](http://www.lba.de).

EUROCAE documents may be purchased from the European Organisation for Civil Aviation Electronics: 11 rue Hamelin, 75783 PARIS CEDEX 16, France, [www.eurocae.org](http://www.eurocae.org).

RTCA documents may be purchased from the Radio Technical Commission for Aeronautics Secretariat, One Mc Pherson Square, 1425 K Street NW., Suite 500, Washington DC 20005, USA, [www.rtca.org](http://www.rtca.org).

JAA documents may be purchased from the Global Info Centre/Information Handling Services GmbH, Fraunhoferstrasse 22, D-82152 Martinsried, Germany, [www.ihs.de](http://www.ihs.de).

Copies of SAE documents may be purchased from the Society of Automotive Engineers Inc., Department 331, 400 Commonwealth Drive, Warrendale, PA 15096, USA, [www.sae.org](http://www.sae.org).