

European Aviation Safety Agency

European Technical Standard Order

Subject: VOR RECEIVING EQUIPMENT OPERATING WITHIN THE RADIO FREQUENCY RANGE
108-117.95 MEGAHERTZ

1 - Applicability

This ETSO gives the requirements which VOR receiving equipment operating within 108-117.95 MHz that is 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 EUROCAE document ED-22B (1988) or RTCA DO-196 plus additions shown paragraph 3.2 below.

3.1.2 - Environmental Standard

See CS-ETSO Subpart A paragraph 2.1

3.1.3 - Computer Software

See CS-ETSO Subpart A paragraph 2.2

3.2 - Specific

Radio Technical Commission for Aeronautics (RTCA) Document DO-196, used in US TSO-C40c differs from EUROCAE document ED-22B as follows:

- ED-22B demands greater minimum bearing accuracy ($\pm 2.7^\circ$ Vs $\pm 3.0^\circ$).
- ED-22B contain requirements and tests for operation with ASB Doppler VOR ground stations (ASB Doppler VORs are used in Europe and other parts of Europe but not in CONUS)

4 - Marking

4.1 - General

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

4.2 - Specific

None.

5 - Availability of Referenced Document

See CS-ETSO Subpart A paragraph 3.

