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
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 (±2.7° Vs±3.0°).
- 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.