European Aviation Safety Agency

European Technical Standard Order

Subject: AIRBORNE AUTOMATIC DIRECTION FINDING (ADF) EQUIPMENT

1 - Applicability
This ETSO gives the requirements which airborne automatic direction finding equipment 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-179 (1982), used in US TSO-C41d differs from EUROCAE document ED-51 as follows:
-ED-51 demands tuning increments of 0.5 kHz or less to match the European NDB frequency scheme (500 Hz channels), DO-179 demands increments of 1 kHz.

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.