

# 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

Standards set forth in EUROCAE document ED-51 (1983 rev. 1987) or RTCA DO-179 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-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.

