

European Aviation Safety Agency

European Technical Standard Order

Subject: AIRBORNE AUTOMATIC DEAD RECKONING COMPUTER EQUIPMENT UTILIZING AIRCRAFT HEADING AND DOPPLER GROUND SPEED AND DRIFT ANGLE DATA (FOR AIR CARRIER AIRCRAFT)

1 - Applicability

This ETSO gives the requirements which airborne automatic dead reckoning computer equipment utilizing aircraft heading and doppler ground speed and drift angle data that are 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 MPS/WG7C/2-74, dated August 1974, „Airborne Automatic Dead Reckoning Computer Equipment Utilizing Aircraft Heading and Doppler Obtained Velocity Vector Data“.

In addition to Chapter 4 of EUROCAE document MPS/WG7C/2-74, all materials used except small parts (such as knobs, fasteners, seals, grommets and small electrical parts) that would not contribute significantly to the propagation of a fire, must be self-extinguishing when tested in accordance with applicable requirements of CS 25 Appendix F.

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

None

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.

