European Aviation Safety Agency

European Technical Standard Order

Subject: TRAFFIC ALERT AND COLLISION AVOIDANCE SYSTEM (TCAS) AIRBORNE EQUIPMENT, TCAS I.

1 - Applicability
   This ETSO provides the requirements which active traffic alert and collision avoidance system airborne equipment that are designed and 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 - General

3.1.1 - Minimum Performance Standard


3.1.2 - Environmental Standard
   See CS-ETSO, Subpart A, paragraph 2.1

3.1.3 - Software
   See CS-ETSO, Subpart A, paragraph 2.2

3.1.4 - Electronic Hardware
   See CS-ETSO, Subpart A, paragraph 2.3.

3.2 - Specific

3.2.1 Failure Condition Classification
See CS-ETSO, Subpart A, paragraph 2.4.

Failure of the function defined in paragraph 3.1.1 is a major failure condition for malfunctions causing the display or annunciation of hazardously misleading information in airborne aircraft.

Loss of the function defined in paragraph 3.1.1 is a minor failure condition.

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.