

# European Aviation Safety Agency

## European Technical Standard Order

**Subject :** CARGO COMPARTMENT FIRE DETECTION INSTRUMENTS

### 1 - Applicability

This ETSO provides the requirements which cargo compartment fire detection instruments 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 - Basic

##### 3.1.1 - Minimum Performance Standard

Standards set forth in SAE Aerospace Standard (AS) 8036 'Cargo Compartment Fire Detection Instruments', Revision A, dated December 17, 2013, except for paragraphs 4.9, 4.10 and 4.11.

##### 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 - Airborne Electronic Hardware

See CS-ETSO, Subpart A, paragraph 2.3.

#### 3.2 - Specific

Demonstrate the required functional performance under the test conditions specified in Section 4 of AS8036, Revision A.

Demonstrate the required performance under the test conditions specified in Section 5 of AS8036, Revision A, using standard environmental conditions in accordance with 3.1.2.

##### 3.2.1 - Failure Condition Classification

See CS-ETSO, Subpart A, paragraph 2.4.

### 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.