

**Preamble and Contents Effective: 12/07/2013**

The following is a list of CS-ETSO and Subparts affected by this amendment.

Subpart A	amended (NPA 2012-16)
Subpart B Index 1	amended (NPA 2012-16)
Subpart B Index 2	amended (NPA 2012-16)
ETSO-C9c	Deleted (NPA 2012-16)
ETSO-C44c	replaced by ETSO-C44c A1 (NPA 2011-16)
ETSO-C45b	replaced by ETSO-C45b A1 (NPA 2011-16)
ETSO-C47a	replaced by ETSO-C47a A1 (NPA 2011-16)
ETSO-C52b	Deleted (NPA 2012-16)
ETSO-C56b	replaced by ETSO-C56b A1 (NPA 2011-16)
ETSO-C60b	Deleted (NPA 2012-16)
ETSO-C74d	Deleted (NPA 2012-16)
ETSO-C87a	newly introduced (NPA 2012-16) replacing 2C87
ETSO-C106	replaced by ETSO-C106 A1 (NPA 2011-16)
ETSO-C112c	replaced by ETSO-C112d (NPA 2011-16)
ETSO-C114	replaced by ETSO-C114 A1 (NPA 2011-16)
ETSO-C115b	replaced by ETSO-C115c (NPA 2011-16)
ETSO-C121a	replaced by ETSO-C121b (NPA 2011-16)
ETSO-C155	replaced by ETSO-C155a (NPA 2011-16)
ETSO-C160a	newly introduced (NPA 2012-16)
ETSO-C164	newly introduced (NPA 2012-16)
ETSO-C166b	replaced by ETSO-C166b A1 (NPA 2011-16)
ETSO-C174	replaced by ETSO-C174 A1 (NPA 2011-16)
ETSO-C178	newly introduced (NPA 2012-16)
ETSO-C198	newly introduced (NPA 2012-16)
ETSO-C200	newly introduced (NPA 2012-16)
ETSO-2C87	Deleted (NPA 2012-16)
ETSO-2C91a	Deleted (NPA 2012-16)

Subpart A – GENERAL is totally replaced by the new edition adopted with this Decision.

The following ETSO are deleted from Subpart B Index 1:

**SUBPART B**

**Index 1**

ETSO-C9c	Automatic Pilot
ETSO-C52b	Flight Directors
ETSO-C60b	Airborne Area Navigation Equipment Using Loran C Inputs
ETSO-C74d	Airborne ATC Transponder Equipment

The following revised ETSO are replacing ETSO-C44c, ETSO-C45b, ETSO-C47a, ETSO-C56b, ETSO-C87, ETSO-C106, ETSO-C112c, ETSO-C114, ETSO-C115b, ETSO-C121a, ETSO-C155, ETSO-C166b and ETSO-C174 in Subpart B Index 1 table of content:

**SUBPART B**

**Index 1**

ETSO-C44c A1	Fuel Flowmeters
ETSO-C45b A1	Manifold Pressure Instruments
ETSO-C47a A1	Pressure Instruments — Fuel, Oil, and Hydraulic (Reciprocating Engine Powered Aircraft)
ETSO-C56b A1	Engine-driven Direct Current Generators/Starter generators
ETSO-C87a	Airborne Low-range Radio Altimeter
ETSO-C106 A1	Air Data Computer
ETSO-C112d	Air Traffic Control Radar Beacon System/Mode Select (ATCRSB/Mode S) Airborne Equipment
ETSO-C114 A1	Torso Restraint Systems
ETSO-C115c	Flight Management Systems (FMS) using Multi-Sensor Inputs
ETSO-C121b	Underwater Locating Device
ETSO-C155a	Recorder Independent Power Supply
ETSO-C166b A1	Extended Squitter ADS-B and TIS-B Equipment Operating on the RF of 1090 Megahertz (MHz)
ETSO-C174 A1	Battery-Based Emergency Power Unit (BEPU)

The following new ETSO are inserted in Subpart B Index 1 table of content:

**SUBPART B**

**Index 1**

ETSO-C160a	VDL Mode 2 Communications equipment
ETSO-C164	Night Vision Goggles (NVG)
ETSO-C178	Single Phase 115 VAC, 400 Hz Arc Fault Circuit Breakers
ETSO-C198	Automatic Flight Guidance and Control System (AFGCS) Equipment
ETSO-C200	Low-frequency Underwater Locating Device (ULD)

The following ETSO are deleted from Subpart B Index 2:

**SUBPART B**

**Index 2**

ETSO-2C87	Airborne Low-range Radio Altimeter
ETSO-2C91a	Emergency Locator Transmitter (ELT) Equipment

Neither new nor revised ETSO are introduced in Subpart B Index 2 table of content.