ED Decision 2008/012/R

20/11/2008 Annex II

ETSO-C56b Date: 28/11/2008

European Aviation Safety Agency

European Technical Standard Order (ETSO)

Subject: ENGINE DRIVEN DIRECT CURRENT GENERATORS / STARTER

GENERATORS

1 - Applicability

This ETSO gives the requirements which Engine-driven Direct Current generators/starter generators 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 the SAE Aerospace Standard (AS) document: AS8020, "Engine Driven D.C. Generators/Starter-Generators and Associated Voltage Regulators", dated January 1980 (and reaffirmed by SAE in August 1991).

3.1.2 - Environmental Standard

EUROCAE ED-14E (RTCA DO160E) "Environmental Conditions and Test Procedures for Airborne Equipment" from March 2005.

3.1.3 - Computer Software

If the Engine Driven Direct Current Generator / Starter Generator and the associated voltage regulators include a digital computer, the software must be developed according to EUROCAE ED-12B (RTCA DO-178B) "Software Considerations in Airborne Systems and Equipment Certification" from 1992.

3.2 - Specific

None

ED Decision 2008/012/R

20/11/2008 Annex II ETSO-C56b

Date: 28/11/2008

4 - Marking

4.1 - General

Marking is detailed in CS-ETSO Subpart A paragraph 1.2.

4.2 - Specific

In addition to the information specified in §4.1, the following information is required:

- (1) Means of indicating if the article is a D.C. generator or a D.C. starter-generator;
- (2) Nominal power output (electrical voltage and watts);
- (3) Mechanical power input requirements (pad requirements).

5 - Availability of Referenced Document

See CS-ETSO Subpart A paragraph 3