

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

See CS-ETSO, Subpart A, paragraph 2.1.

3.1.3 – Software

If the Engine-Driven Direct Current Generator/Starter Generator and the associated voltage regulators include a digital computer, see CS-ETSO, Subpart A, paragraph 2.2, for software development.

3.1.4 – Airborne electronic hardware

See CS-ETSO, Subpart A, paragraph 2.3.

3.2 – Specific

None.

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.