

European Aviation Safety Agency

European Technical Standard Order

Subject: ENGINE-DRIVEN DIRECT CURRENT GENERATORS/STARTER-GENERATORS

1 - Applicability

This ETSO gives the requirements which engine-driven D.C. 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 Society of Automotive Engineers, Inc., (SAE) Aerospace Standard (AS) 8020 „Engine-Driven D.C. Generators/Starter-Generators and Associated Voltage Regulators“, dated January 1980.

3.1.2 - Environmental Standard

See CS-ETSO Subpart A paragraph 2.1.

3.1.3 – Computer Software

None

3.2 - Specific

None.

4 - Marking

4.1 - General

Marking is detailed in CS-ETSO Subpart A paragraph 1.2; In addition to this marking, the following information shall be legibly and permanently marked on the equipment:

- (1) The environmental categories in which it has been qualified to operate in accordance with the applicable SAE document; however this marking is not necessary when the alternative is used as described in EUROCAE/RTCA document ED-14D/DO-160D.
- (2) The digital computer software version (if applicable) and the environmental categories over which it has been tested.
- (3) Indicate D.C. generator or starter generator.
- (4) Nominal power output (electrical voltage and watts).
- (5) Mechanical power input requirements (pad requirements).

4.2 - Specific

None.

5 - Availability of Referenced Document

See CS-ETSO Subpart A paragraph 3.

