



Notification of a proposal to issue an Airworthiness Directive

PAD No.: 16-037

Issued: 11 March 2016

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name:

EADS-CASA

Type/Model designation(s):

CN-235 and C-295 aeroplanes

Effective Date: [TBD – standard: 14 days after AD issue date]

TCDS Number(s): EASA.A.186

Foreign AD: Not applicable

Supersedure: None

ATA 28 – Fuel – Motorised Fuel Valve – Inspection

Manufacturer(s):

EADS-CASA, formerly Construcciones Aeronáuticas S.A. (CASA)

Applicability:

CN-235, CN-235-100, CN-235-200, CN-235-300 and C-295 aeroplanes, all manufacturer serial numbers.

Reason:

Leakage of a motorised cross-feed fuel valve Part Number (P/N) 7923227F was reported on a CN-235-100M aeroplane. The leakage was observed through the valve electrical connectors and detected during accomplishment of a functional check in accordance with the CN-235 aeroplane Maintenance Review Board Report (MRB-PV01M), task 28.007. Identical motorised fuel valves are installed on CN-235 and C-295 aeroplanes, corresponding to civil type design, as cross-feed, shut-off and defueling valves, as applicable to aeroplane model and configuration.



This condition, if not detected and corrected, could lead to failure of a motorised fuel valve and consequent improper fuel system functioning or, in case of the presence of an ignition source, possibly resulting in an aeroplane fire.

To address this potentially unsafe condition, Airbus Defence & Space (D&S) issued Alert Operators Transmission (AOT)-CN235-28-0001 and AOT-C295-28-0001 to provide inspection instructions.

For the reasons described above, this AD requires an inspection of the affected motorised fuel valves and, depending on findings, accomplishment of applicable corrective action(s).

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

- (1) Within the compliance time defined in Table 1 of this AD, as applicable, inspect each motorised fuel valve P/N 7923227F in accordance with the instructions of EADS-CASA AOT-CN235-28-0001 or AOT-C295-28-0001, as applicable.

Note: Motorised fuel valves P/N 7923227F are used on an aeroplane as cross-feed, shut-off and defueling valves, as applicable to aeroplane model and configuration.

Table 1 – Motorised fuel valve P/N 7923227F inspection

Accumulated Service Life (on the effective date of this AD)	Compliance Time (after the effective date of this AD)
6 000 flight cycles (FC) or more	30 FC or 30 days, whichever occurs first
Less than 6 000 FC	400 flight hours

- (2) If during the inspection, as required by paragraph (1) of this AD, any leaking motorised fuel valve P/N 7923227F is detected, before next flight, replace the affected fuel valve with a serviceable part in accordance with the instructions of EADS-CASA AOT-CN235-28-0001 or AOT-C295-28-0001, as applicable to aeroplane model.
- (3) From the effective date of this AD, replacement of a motorised fuel valve P/N 7923227F, except with a new part, on an aeroplane is allowed, provided that, within 30 FC or 30 days, whichever occurs first after installation, the part passes an inspection in accordance with the instructions of EADS-CASA AOT-CN235-28-0001 or AOT-C295-28-0001, as applicable.
- (4) Within 60 days after the inspection as required by paragraph 1 of this AD, report the inspection results to EADS-CASA.

Ref. Publications:

EADS-CASA AOT-CN235-28-0001 original issue, dated 19 February 2016.

EADS-CASA AOT-C295-28-0001 original issue, dated 19 February 2016.

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.



Remarks:

1. This Proposed AD will be closed for consultation on 08 April 2016.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. For any question concerning the technical content of the requirements in this PAD, please contact: Airbus Defence and Space, Services / Engineering Support, Fax: +34 91 585 3127, E-mail: MTA.TechnicalService@airbus.com.

For US operators, contact alternatively:

E-mail: TechnicalSupport@airbusmilitaryna.com.

