



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 18-077

Issued: 04 June 2018

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:

AIRBUS

Type/Model designation(s):

A340 aeroplanes

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

TCDS Numbers: EASA.A.015

Foreign AD: Not applicable

Supersedure: None

ATA 28 – Fuel – Fuel Control and Monitoring Computer – Software Update

Manufacturer(s):

Airbus (formerly Airbus Industrie)

Applicability:

Airbus A340-213, A340-311 and A340-313 aeroplanes, manufacturer serial numbers (MSN) 0002, 0056, 0114, 0164, 0204, 0214, 0257, 0280, 0282, 0292, 0381, 0424, 0435, 0450, 0467, 0470 and 0554.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: Airbus Service Bulletin (SB) A340-28-4128.

Affected FCMC: Fuel Control and Monitoring Computer (FCMC), having a software standard lower than 'Stage 12'.

Serviceable FCMC: FCMC, having a software standard 'Stage 12', Part Number (P/N) B494AAM0617, or higher standard.



Reason:

An occurrence was reported concerning an A340 aeroplane having to divert, following #3 engine in-flight shut-down (IFSD), due to fuel starvation. The analysis concluded that this fuel starvation was due to aeroplane operation in high and positive pitch for an extended period of time, followed by delayed crew action resulting in a delayed 'Fuel Low Level' indication, and also leading to the depletion of the Collector Cells (CC).

This condition, if not corrected, could lead to multiple engines IFSD, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, Airbus published the SB, providing instructions to install an upgraded FCMC standard 'Stage 12' software, which includes a 'FUEL CELL NOT FULL' (CC depletion warning) for all CC. Airbus identified the batch of aeroplanes that still have the affected FCMC software.

For the reasons described above, this AD requires installation of an FCMC software upgrade.

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

Required as indicated, unless accomplished previously:

Modification:

- (1) Within 6 months after the effective date of this AD, install FCMC standard 'Stage 12' software and re-identify the FCMC, or replace the affected FCMC (hardware) with a serviceable FCMC, in accordance with the instructions of the SB.

Parts installation:

- (2) After modification of an aeroplane as required by paragraph (1) of this AD, do not install an affected FCMC on that aeroplane.

Ref. Publications:

Airbus A340-28-4128 original issue dated 25 May 2011.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 02 July 2018.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).



4. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS – EIAL (Airworthiness Office), E-mail: airworthiness.A330-A340@airbus.com.

