



Airworthiness Directive

AD No.: 2017-0135

Issued: 28 July 2017

Note: This Airworthiness Directive (AD) 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.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

Design Approval Holder's Name:

AIRBUS

Type/Model designation(s):

A380 aeroplanes

Effective Date: 11 August 2017

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 36 – Pneumatic – Engine Bleed Air System – Software Update

Manufacturer(s):

Airbus

Applicability:

Airbus A380-841, A380-842 and A380-861 aeroplanes, all manufacturer serial numbers.

Reason:

During take-off phase, double and dependent failure of the High Pressure Valve and Pressure Regulating Valve can lead to Over Pressure Valve closure. This event consequently can result in an uncontrolled overpressure in the pneumatic system and rupture of the bleed duct bellow of the engine pylon.

This condition, if not corrected, could lead to rupture of the pneumatic ducting with hot air leakage at critical locations and exposure of the surrounding structure to heat stress, resulting in reduced structural integrity of the wings.

To address the potential unsafe condition, Airbus developed Engine Bleed Air System (EBAS) software (SW) modification 6.4, which is embodied in production through Airbus modification (mod) 77078, and introduced in service through Airbus Service Bulletin (SB) A380-36-8037, or A380-36-8038, as applicable, depending on aeroplane configuration.

For the reasons described above, this AD requires modification of an aeroplane by installing EBAS SW 6.4.



This AD is considered to be an interim measure and further AD action may follow.

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

Required as indicated, unless accomplished previously:

Modification:

- (1) Within 30 days after the effective date of this AD, modify the aeroplane by installing EBAS SW 6.4 in accordance with the instructions of Airbus SB A380-36-8037, or A380-36-8038, as applicable, depending on aeroplane configuration.
- (2) An aeroplane on which Airbus mod 77078 has been embodied in production is not affected by the requirements of paragraphs (1) of this AD.

Part installation:

- (3) From the effective date of this AD, do not install pre-mod 6.4 EBAS SW on an aeroplane.

Ref. Publications:

Airbus SB A380-36-8037 original issue dated 12 May 2017.

Airbus SB A380-36-8038 original issue dated 12 May 2017.

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

Remarks:

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS - EIANA (Airworthiness Office), E-mail: account.airworth-A380@airbus.com.

