



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 17-147

Issued: 18 October 2017

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):

A380 aeroplanes

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

TCDS Number(s): EASA.A.110

Foreign AD: Not applicable

Supersedure: None

ATA 32 – Landing Gear – Nose Landing Gear Components – Replacement [Life Limit]

Manufacturer(s):

Airbus

Applicability:

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

Reason:

The A380 nose landing gear (NLG) manufacturer has determined that a certain batch of NLG main fittings and NLG sliding tubes was subject to improper preparation of 300M material used in the manufacturing process.

This condition, if not corrected, could lead to structural failure of a NLG component and consequent NLG collapse, possibly resulting in loss of control of the aeroplane during take-off or landing.

To address this potential unsafe condition, Airbus established reduced fatigue lives for the NLG main fittings and NLG sliding tubes affected by the degradation of 300M material quality.

For the reasons described above, this AD requires removal from service of the affected NLG main fittings and NLG sliding tubes before exceeding the reduced life limit.



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

Required as indicated, unless accomplished previously:

Note 1: NLG main fittings Part Number (P/N) 50-2004262-01, identified by serial number (s/n) in Table 2 of this AD, and NLG sliding tubes P/N 50-2004248-00, identified by s/n in Table 3 of this AD, are hereafter collectively referred to as 'affected part' in this AD. Any other eligible NLG main fitting or sliding tube is referred to as 'not affected part' in this AD.

Note 2: For the purpose of this AD, a serviceable part is an affected part that has not exceeded the reduced life limit defined in Table 1 of this AD, as applicable, or a not affected part that has not exceeded its applicable life limit (see Note 3 of this AD).

Note 3: The applicable life limits for not affected parts are defined in Airbus A380 Airworthiness Limitations Section (ALS) Part 1 as service time accumulated by a part since first installation on an aeroplane.

Part Replacement [Reduced Life Limit]:

- (1) Before exceeding the reduced life limit as identified in Table 1 of this AD, as applicable, accumulated by an affected part (see Tables 2 and 3 of this AD) since first installation on an aeroplane, replace the affected part (see Note 1 of this AD) with a serviceable part (see Note 2 of this AD) in accordance with approved maintenance instructions.

Table 1 – Reduced Life Limit

Affected Part (see Note 1 of this AD)	Reduced Life Limit
NLG main fitting P/N 50-2004262-01	9 000 flight cycles (FC)
NLG sliding tube P/N 50-2004248-00	14 000 FC

Part Installation:

- (2) From the effective date of this AD, it is allowed to install an affected part (see Note 1 of this AD) on an aeroplane, provided the part has not exceeded the reduced life limit as defined in Table 1 of this AD and that, following installation, the affected part is replaced as required by this AD.

Table 2 – Affected NLG main fittings P/N 50-2004262-01 identified by s/n

06MDM0048	07MDM00057	08MDM0069	MDMCCH0020M
06MDM0049	07MDM0058	MDMCCH0011M	MDMCCH0021M
07MDM0050	07MDM0059	MDMCCH0013A	MDMCCH0022A
07MDM00051	07MDM0060	MDMCCH0014A	MDMCCH0023A
07MDM0052	07MDM0061	MDMCCH0016A	MDMCCH0024A
07MDM00053	08MDM0063	MDMCCH0017M	MDMCCH0027A
07MDM00054	08MDM0064	MDMCCH0018	MDMCCH0028R
07MDM00056	08MDM066PA	MDMCCH0019M	MDMCCH0029M



Table 3 – Affected NLG sliding tube P/N 50-2004248-00 identified by s/n

08B0057X0068	09B0064X0075
08B0058X0069	09B0056X0067

Ref. Publications:

A380 ALS Part 1 Revision 09 dated 25 September 2014, including Variation 9.4 dated 14 March 2017 and Variation 9.5 dated 06 April 2017.

The use of later approved variations or revisions of this document is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 25 November 2017.
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 – EIANA (Airworthiness Office), Telephone: +33 562 110 253; Fax: +33 562 110 307, E-mail: account.airworth-A380@airbus.com.

