



Airworthiness Directive

AD No.: 2019-0136

Issued: 11 June 2019

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

LEONARDO S.p.A.

Type/Model designation(s):

AW189 helicopters

Effective Date: 18 June 2019

TCDS Number(s): EASA.R.510

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2019-0103 dated 09 May 2019.

ATA – Rotorcraft Flight Manual – Emergency Procedures Section – Amendment

Manufacturer(s):

Leonardo S.p.A., formerly Finmeccanica Helicopter Division, AgustaWestland

Applicability:

AW189 helicopters, all serial numbers (s/n).

Definitions:

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

The RFM TR: Leonardo AW189 Temporary Revision (TR) 3-1 Revision A to Rotorcraft Flight Manual (RFM) 189G0290X002 Issue 2.

Reason:

Misleading information has been identified in the AW189 RFM emergency procedure associated to "1(2) FUEL LOW" caution message. In particular, the current procedure instructs the pilot to land as soon as practicable within 20 minutes. However, this remaining flight time is guaranteed only if a constant torque value of 50% is maintained. The correct time limit depends on the fuel consumption of the different engine ratings.

This condition, if not corrected, could lead to wrong estimation of the remaining flight time in low fuel condition, possibly resulting in an uncommanded engine in-flight shut-down and forced landing, with consequent damage to the helicopter and/or injury to occupants.



To address this potential unsafe condition, Leonardo issued RFM TR 3-1 to RFM 189G0290X002 Issue 2, updating Section 3 “Emergency and malfunction procedures” of the applicable RFM, and EASA issued AD 2019-0103 to require amendment of the AW189 RFM.

Since that AD was issued, it was determined that RFM TR 3-1 to RFM 189G0290X002 Issue 2 contained mistakes with some page numbers that needed to be amended and Leonardo issued the RFM TR.

For the reason described above, this AD supersedes EASA AD 2019-0103 and requires the corrected amendment of the AW189 RFM.

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

Required as indicated, unless accomplished previously:

RFM amendment:

- (1) Within 14 days after the effective date of this AD, remove the RFM changes as previously required by EASA AD 2019-0103 and, concurrently, amend section 3 of the RFM, “Emergency and malfunction procedures”, by exchanging pages 3-117 and 3-118 with the ones provided in the RFM TR, inform all flight crews and, thereafter, operate the helicopter accordingly.
- (2) Amending the applicable RFM of a helicopter by incorporating a later RFM revision which includes the same content as the RFM TR, is an acceptable method to comply with the requirements of paragraph (1) of this AD for that helicopter.

Ref. Publications:

Leonardo RFM TR 3-1 Revision A dated 24 May 2019, to AW189 RFM 189G0290X002 Issue 2.

The use of later approved revisions of the above-mentioned document 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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).



5. For any question concerning the technical content of the requirements in this AD, please contact: Leonardo S.p.A. Helicopters E-mail: PSE_AW189.MBX.AW@leonardocompany.com.

