



## Airworthiness Directive

**AD No.:** 2012-0108R1

**Issued:** 19 September 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:

AIRBUS HELICOPTERS

### Type/Model designation(s):

SA 365 and AS 365 helicopters

**Effective Date:** Revision 1: 03 October 2019  
Original issue: 19 June 2012

**TCDS Number(s):** EASA.R.105

**Foreign AD:** Not applicable

**Revision:** This AD revises EASA Emergency AD 2012-0108-E dated 15 June 2012.

## ATA 53 – Fuselage – Frame No. 9 – Inspection / Repair

### Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter, Eurocopter France, Aerospatiale, Sud Aviation

### Applicability:

SA 365 N, SA 365 N1, AS 365 N2 and AS 365 N3 helicopters, all serial numbers, if a frame No. 9 is installed:

- on which doublers or repairs at the level of the latch support and/or stretcher support have been installed in service in accordance with Eurocopter SA 365 / AS 365 ASB 53.00.42, or ASB 53.00.43; or
- on which doublers or repairs have been installed in production in accordance with drawing 365A094158, or drawing 365A094159; or
- on which doublers or repairs have been installed in service in accordance with Mechanical Repair Manual Work Card 53.10.22.772 or Work Card 53.10.22.773;

except helicopters that have embodied Eurocopter modification (MOD) 53C17 or MOD 53D02, or AH MOD 07 53D21 or MOD 07 53D22.

### Definitions:

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



**The ASB:** AH (formerly Eurocopter) Emergency Alert Service Bulletin (ASB) AS365 ASB 05.00.63.

**The SB:** AH Service Bulletin (SB) AS365-53.00.57.

**Reason:**

An occurrence was reported where, during a “T inspection” of an AS 365 helicopter, a crack was found, starting from a rivet hole of the doubler installed in the frame No. 9 in accordance with the instructions of Eurocopter ASB No. 53.00.42. Structural alteration of the frame No. 9 by modifications or repairs can result in fatigue crack initiation under normal operational loads.

This condition, if not detected and corrected, could lead to crack propagation and failure of the frame No.9 which would adversely affect the structural integrity of the helicopter.

To address this potentially unsafe condition, Eurocopter issued the ASB and EASA issued Emergency AD 2012-0108-E to require repetitive inspections of the frame No. 9 in the area of the doublers and, depending on findings, accomplishment of a repair in the area of the latch support and stretcher support.

Since that AD was issued, AH developed AH MOD 07 53D21 available for helicopters in production and MOD 07 53D22 available for helicopters in service through the SB.

This AD is revised to introduce the SB as optional terminating action for the repetitive inspections as required by this AD, and reduces the Applicability of this AD by excluding certain post-MOD helicopters. This revised AD also contains some editorial changes, not affecting the required actions.

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

Required as indicated, unless accomplished previously:

**Inspection(s):**

- (1) Within 10 flight hours (FH) after 19 June 2012 [the effective date of this AD at original issue], and thereafter, at intervals not to exceed 110 FH, inspect the frame No. 9, right-hand side and left-hand side, in accordance with instructions of paragraph 3 of the ASB.

**Corrective Action(s):**

- (2) If, during any inspection as required by paragraph (1) of this AD, a crack is found, before next flight, contact AH for approved repair instructions and accomplish those instructions accordingly.

**Terminating Action:**

- (3) Repair of a helicopter as required by paragraph (2) of this AD does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that helicopter.
- (4) Modification of a helicopter in accordance with the instructions of the SB constitutes terminating action for the repetitive inspections as required by paragraph (1) of this AD for that helicopter.



**Ref. Publications:**

Eurocopter AS365 Emergency ASB 05.00.63 original issue dated 12 June 2012, or Revision 1 dated 18 June 2012, or AH AS365 Emergency ASB 05.00.63 Revision 2 dated 20 December 2018.

AH SB AS365-53.00.57 original issue dated 20 December 2018.

The use of later approved revisions of the above-mentioned 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. 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](mailto: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: Airbus Helicopters (Technical Support), Aéroport de Marseille Provence 13725 Marignane Cedex, France, Telephone +33 (0)4 42 85 97 97, Fax +33 (0)4 42 85 99 66, Web portal: <https://keycopter.airbushelicopters.com> > Technical Requests Management, E-mail: [support.technical-dyncomp.ah@airbus.com](mailto:support.technical-dyncomp.ah@airbus.com), and [TechnicalSupport.Helicopters@airbus.com](mailto:TechnicalSupport.Helicopters@airbus.com).

