§ 39.13 [Amended]

(a) Applicability


(b) Unsafe Condition

This AD defines the unsafe condition as reduced yaw control travel, which could result in loss of control of the helicopter.

(c) Affected ADs

This AD supersedes AD 2010–21–01–01, Amendment 39–196417 (75 FR 63050, October 14, 2010).

(d) Comments Due Date

We must receive comments by September 3, 2013.

(e) Compliance

You are responsible for performing each action required by this AD within the specified compliance time unless it has already been accomplished prior to that time.

(f) Required Actions

(1) Within 10 hours time-in-service (TIS) or within one month, whichever occurs first, determine whether the cross-member (numbered “1”) at station X 2165 and the two doublers (numbered “2” and “3”) at stations X 2325 Y 269 are installed as shown in Figure 1 of Eurocopter Emergency Alert Service Bulletin (EASB) No. 53.00.37, for Model AS350 helicopters and EASB No. 53.00.23, Revision 0, dated April 11, 2007 (EASB 53.00.37), for Model AS350 helicopters and EASB No. 53.00.23, Revision 0, dated April 11, 2007 (EASB 53.00.23), for Model AS355 helicopters.

(2) If the cross-member (numbered “1”) and doublers (numbered “2” and “3”) are not installed, before further flight, inspect for a crack in the center cross-member (numbered “4”) in the area around the attachment point of the tail rotor directional ball-type control as shown in Figure 1 of EASB 53.00.37 for Model AS350 helicopters or EASB 53.00.23 for Model AS355 helicopters.

(i) If a crack exists, before further flight, replace the unairworthy center cross-member (Numbered ‘‘4’’) with an airworthy center cross-member as described in paragraph (f)(3) of this AD.

(ii) If a crack does not exist, before further flight, inspect the tail rotor control rigging to determine whether it meets conformity limits.

(A) If all items of the tail rotor control rigging are found within conformity limits, install the cross-member and doublers as described in paragraph (f)(3) of this AD.

(B) For any items of the tail rotor control rigging found outside of conformity limits, perform appropriate corrective action in accordance with FAA-accepted procedures, and install the cross-member and doublers as described in paragraph (f)(3) of this AD.

(3) Within 55 hours TIS, if the cross-member (Numbered “1”) is not installed, install the cross-member at station X 2165 and the 2 doublers (Numbered “2” and “3”) at stations X 2325 Y 269 by following the Appendix, the referenced figures 2 and 3 of EASB 53.00.37 for Model AS350 helicopters or EASB 53.00.23 for Model AS355 helicopters.

(g) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Safety Management Group, FAA, may approve AMOCs for this AD. Send your proposal to: Gary Roach, Aviation Safety Engineer, Regulations and Policy Group, Rotorcraft Directorate, FAA, 2601 Meacham Blvd., Fort Worth, TX 76137; telephone: (817) 222–5110; email: gary.b.roach@faa.gov.

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, we suggest that you notify your principal inspector, or lack a principal inspector, the manager of the local flight standards district office or certificate holding district office before operating any aircraft complying with this AD through an AMOC.

(h) Additional Information


(i) Subject

Joint Aircraft Service Component (JASC) Code: 5320, Fuselage Miscellaneous Structure.

Issued in Fort Worth, Texas, on April 11, 2013.

Lance T. Gant,
Acting Directorate Manager, Rotorcraft Directorate, Aircraft Certification Service.

[FR Doc. 2013–15961 Filed 7–2–13; 8:45 am]
BILLING CODE 4910–13–P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39


RIN 2120–AA64

Airworthiness Directives; Eurocopter Deutschland GmbH Helicopters

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to adopt a new airworthiness directive (AD) for Eurocopter Deutschland GmbH (ECD) Model EC135 and MBB–BK 117 C–2 helicopters. This proposed AD is prompted by the discovery during a routine inspection of loose flight control bearings because of incorrect installation. This proposed AD would require inspecting the flight-control bearings repetitively, replacing any loose bearing with an airworthy flight-control bearing, and installing bushings and washers. The proposed actions are intended to prevent the affected control lever from shifting, contacting the helicopter structure, and reducing control of the helicopter.

DATES: We must receive comments on this proposed AD by September 3, 2013.

ADDRESSES: You may send comments by any of the following methods:

• Federal eRulemaking Docket: Go to http://www.regulations.gov. Follow the online instructions for sending your comments electronically.
• Fax: 202–493–2521.
• Mail: Send comments to the U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE., Washington, DC 20590–0001.

Hand Delivery: Deliver to the “Mail” address between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

Examing the AD Docket

You may examine the AD docket on the Internet at http://www.regulations.gov or in person at the Docket Operations Office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the economic evaluation, any comments received, and other information. The street address for the Docket Operations Office (telephone 800–647–5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

For service information identified in this proposed AD, contact American Eurocopter Corporation, 2701 N. Forum Drive, Grand Prairie, TX 75052; telephone (972) 641–0000 or (800) 232–0323; fax (972) 641–3775; or at http://www.eurocopter.com/techpub. You may review the referenced service information at the FAA, Office of the Regional Counsel, Southwest Region, 2601 Meacham Blvd., Room 803, Fort Worth, TX 76137.
FOR FURTHER INFORMATION CONTACT: Matt Fuller, Senior Aviation Safety Engineer, Safety Management Group, Rotorcraft Directorate, FAA, 2601 Meacham Blvd., Fort Worth, TX 76137; telephone (817) 222–5110; email matthew.fuller@faa.gov.

SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to participate in this rulemaking by submitting written comments, data, or views. We also invite comments relating to the economic, environmental, energy, or federalism impacts that might result from adopting the proposals in this document. The most helpful comments reference a specific portion of the proposal, explain the reason for any recommended change, and include supporting data. To ensure the docket does not contain duplicate comments, commenters should send only one copy of written comments, or if comments are filed electronically, commenters should submit only one time.

We will file in the docket all comments that we receive, as well as a report summarizing each substantive public contact with FAA personnel concerning this proposed rulemaking. Before acting on this proposal, we will consider all comments we receive on or before the closing date for comments. We will consider comments filed after the comment period has closed if it is possible to do so without incurring expense or delay. We may change this proposal in light of the comments we receive.

Discussion

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Union, has issued AD No. 2010–0058, dated March 30, 2010, (AD 2010–0058), to correct an unsafe condition for the ECD Model MBB–BK 117 C–2, EC 135, and EC 635 helicopters. EASA advises that during an inspection of an MBB–BK 117 C–2, EC 135, and EC 635 helicopters, EASA states that the condition, if not corrected, could result in the affected control lever shifting in the axial direction, contacting the helicopter structure, and subsequently reducing control of the helicopter.

FAA’s Determination

These helicopters have been approved by the aviation authority of the Federal Republic of Germany and are approved for operation in the United States. Pursuant to our bilateral agreement with Germany, EASA, its technical representative, has notified us of the unsafe condition described in its AD. We are proposing this AD because we evaluated all known relevant information and determined that an unsafe condition exists and is likely to exist or develop on other products of these same type designs.

Related Service Information


• Within the next 50 flight hours (FHs), inspecting the affected bearings and, if necessary, rebonding any affected bearings or replacing the lever assembly.

• Within 12 months, retrofitting the bushings on the levers to prevent movement of the bearings.

• After the retrofit, repeating the inspection every 800 FHs or 36 months for the Model EC 135 helicopters, whichever comes first, and 600 FHs or 24 months, whichever comes first, for the Model MBB–BK 117 C–2 helicopters.

EASA classified these ASBs as mandatory and issued AD 2010–0058 to ensure the continued airworthiness of these helicopters.

Proposed AD Requirements

For EC135 helicopters, this proposed AD would require, within 100 hours time-in-service (TIS) or at the next annual inspection, whichever occurs first, modifying the left-hand (LH) and right-hand (RH) guidance units and the cyclic shaft by installing bushings and washers to prevent shifting in the axial direction. This proposed AD would require at intervals not to exceed 800 hours TIS or 36 months, whichever occurs first, inspecting the bearings in the LH guidance unit, the RH guidance unit, cyclic control, upper guidance unit, and linear voltage differential transducer plate for play. If any bearing is loose, the proposed AD would require replacing the affected bearing with an airworthy bearing.

Differences between this Proposed AD and the EASA AD

Differences between this proposed AD and the EASA AD are:

• The EASA AD is applicable to the EC 635 helicopter, whereas this proposed AD is not because the EC 635 helicopter is not type certificated in the U.S.

• The EASA AD requires an initial inspection within 50 flight hours or one month, whichever occurs first after May 31, 2008, and a modification within the next 12 months. This proposed AD would require the modification within 100 hours TIS or at the next annual inspection, whichever occurs first, and no inspection until after the modification has been accomplished.

• The EASA AD provides requirements for certain spare parts, whereas this proposed AD does not.

Costs of Compliance

We estimate that this proposed AD would affect 175 Model EC135 and 112 Model MBB–BK 117 C–2 helicopters of U.S. Registry and that labor costs average $85 per work-hour. Based on these estimates, we would expect the following costs:

• For EC135 helicopters, it would take about 32 work-hours to perform the modification. Parts would cost about $312. The total cost for the modification would be about $3,032 per helicopter and $350,600 for the U.S. operator fleet.

• For MBB–BK 117 C–2 helicopters, it would take about 32 work-hours to perform the modification. Parts would cost about $396. The total cost for the modification would be about $3,116 per helicopter and $3,032 per helicopter and $348,992 for the U.S. operator fleet.

We estimate that the repetitive inspections would require 6.5 work-hours for a cost of about $553 per helicopter and about $96,775 for the fleet per inspection cycle.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. “Subtitle VII: Aviation Programs,” describes in more
§ 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):


(a) **Applicability**

This AD applies to the following helicopters, certified in any category:

1. Eurocopter Deutschland GmbH (ECD) Model EC135 P1, P2, P2+, T1, T2, and T2+ helicopters, serial number (S/N) 0005 through 0029, with a tail rotor control lever, part number (P/N) L672M2802205 or L672M1012212; cyclic control lever, P/N L671M10005250; collective control lever assembly, P/N L671M2020108; or collective control plate, P/N L671M5040207; installed; and

2. Model MBB–BK 117 C–2 helicopters, S/N 9904 through 9310, with a tail rotor control lever assembly, P/N B672M1007101 or B672M1807101; tail rotor control lever, P/N B672M1002202 or L672M2802205; or lateral control lever assembly, P/N B672M1008810, installed.

(b) **Unsafe Condition**

This AD defines the unsafe condition as incorrectly installed flight control bearings. This condition could cause the affected control lever to shift and contact the helicopter structure, resulting in reduced performance and control.

(c) **Comments Due Date**

We must receive comments by September 3, 2013.

(d) **Compliance**

You are responsible for performing each action required by this AD within the specified compliance time.

(e) **Required Actions**

1. For Model EC135 P1, P2, P2+, T1, T2, and T2+ helicopters:

   (i) Within the next 100 hours time-in-service (TIS) or at the next annual inspection, whichever occurs, modify the left-hand (LH) and right-hand (RH) guidance units and the cyclic shaft by installing bushings and washers to prevent shifting of the bearings in the axial direction as follows:

   (A) Remove and disassemble the LH guidance unit and install a bushing, P/N L672M1012260, between the bearing block and the lever of the LH guidance unit as depicted in Figure 5 of EC135 ASB.

   (B) For helicopters without a yaw brake, remove and disassemble the RH guidance unit and install a bushing, P/N L672M1012260, between the bearing block and the lever as depicted in Figure 5 of EC135 ASB.

   (C) Remove and disassemble the cyclic shaft and install a washer, P/N L671M1005260, between the bearing block and the lever as depicted in Figure D of EC135 ASB.

2. For Model MBB–BK 117 C–2 helicopters:

   (i) Within the next 100 hours TIS or at the next annual inspection, whichever occurs first, modify the LH and RH guidance units and the lateral control lever by installing bushings and washers to prevent shifting of the bearings in the axial direction as follows:

   (A) Remove and disassemble the RH guidance unit and install a bushing, P/N L672M1012260, between the lever and the bracket as depicted in Figure 4 of Eurocopter Alert Service Bulletin MBB BK117 C–2–67A–010, Revision 3, dated February 8, 2010 (BK117 ASB). Remove and disassemble the LH guidance unit and install a bushing, P/N L672M1012260, between the lever and the bracket as depicted in Figure C of Figure 4 of BK117 ASB.

   (B) Remove the lateral control lever and install new bushings in accordance with the Accomplishment Instructions, paragraphs 3.C.9(a) through 3.C.9(g) of BK117 ASB.

   (C) Identify the modified lever assembly by writing “MBB BK117 C–2–67A–010” on the lever with permanent marking pen and protect with a single layer of lacquer (CM 421 or equivalent).

   (D) Apply corrosion preventive paste (CM 518 or equivalent) on the shank of the screws and install airworthy parts as depicted in Figure 5 of BK117 ASB.

   (E) At intervals not to exceed 600 hours TIS or 24 months, whichever occurs first, inspect the bearings in the RH guidance unit, LH guidance unit, and lateral control guidance unit for play. If any bearing is loose, replace the affected bearing with an airworthy bearing.

(f) **Alternative Methods of Compliance (AMOC)**

1. The Manager, Safety Management Group, FAA may approve AMOCs for this AD. Send your proposal to: Matt Fuller, Senior Aviation Safety Engineer, Safety Management Group, Rotorcraft Directorate, FAA, 2601 Meacham Blvd., Fort Worth, TX 76137; telephone (817) 222–5110; email matthew.fuller@faa.gov.

2. For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, we suggest that you notify your principal inspector, or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office before operating any aircraft complying with this AD through an AMOC.

(g) **Additional Information**

The subject of this AD is addressed in European Aviation Safety Agency (EASA) AD L221M10142208, on each side of the collective control rod and bellcrank as depicted in Figure 6 of EC135 ASB.

We determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have federalism implications under Executive Order 12866.

For the reasons discussed, I certify this proposed regulation:

1. Is not a “significant regulatory action” under Executive Order 13132.

2. Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979).

3. Will not affect intrastate aviation in Alaska to the extent that it justifies making a regulatory distinction; and

4. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared an economic evaluation of the estimated costs to comply with this proposed AD and placed it in the AD docket.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by Reference, Safety.

The Proposed Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

*Authority: 49 U.S.C. 106(g), 40113, 44701.*
DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39  

Airworthiness Directives; The Boeing Company Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to supersede an existing airworthiness directive (AD) that applies to certain The Boeing Company Model 747–100, 747–100B, 747–100B SUD, 747–200B, 747–200C, 747–200F, 747–300, 747–400, 747–400D, 747–400F, 747SR, and 747SP series airplanes. The existing AD currently requires repetitive inspections for wear damage and cracks of the fuselage skin in the interface area of the vertical stabilizer seal and fuselage skin, a detailed inspection for wear damage and cracks of the surface of any skin repair doubler in the area, and corrective actions if necessary. For airplanes on which the fuselage skin has been blended to remove wear damage, the existing AD also requires repetitive external detailed inspections or high frequency eddy current inspections for cracks of the blended area of the fuselage skin, and corrective actions if necessary. Since we issued that AD, we have received a report of wear through the fuselage skin that occurred sooner than the repetitive inspection interval specified in the existing AD. This proposed AD would reduce the repetitive inspection interval and change certain corrective actions. We are proposing this AD to detect and correct wear damage and cracks of the fuselage skin in the interface area of the vertical stabilizer seal and fuselage skin in sections 46 and 48, which could cause in-flight depressurization of the airplane.

DATES: We must receive comments on this proposed AD by August 19, 2013.

ADDRESSES: You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

• Federal eRulemaking Portal: Go to http://www.regulations.gov. Follow the instructions for submitting comments.

• Fax: 202–493–2251.


• Hand Delivery: Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this AD, contact Boeing Commercial Airplanes, Attention: Data & Services Management, P. O. Box 3707, MC 2H–65, Seattle, WA 98124–2207; phone: 206–544–5000, extension 1; fax: 206–766–5680; Internet: https://www.myboeingfleet.com. You may review copies of the referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425–227–1221.

Examining the AD Docket
You may examine the AD docket on the Internet at http://www.regulations.gov; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Office (phone: 800–647–5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.


SUPPLEMENTARY INFORMATION:

Comments Invited
We invite you to send any written relevant data, views, or arguments about this proposed AD. Send your comments to an address listed under the ADDRESSES section. Include “Docket No. FAA–2013–0540; Directorate Identifier 2012–NM–185–AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD because of those comments.

We will post all comments we receive, without change, to http://www.regulations.gov, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

Discussion
On June 19, 2009, we issued AD 2009–14–02, Amendment 39–15951 (74 FR 30919, June 29, 2009), on the products listed above, which superseded AD 2002–26–15, Amendment 39–13003 (68 FR 476, January 6, 2003). AD 2009–14–02 requires repetitive inspections for wear damage and cracks of the fuselage skin in the interface area of the vertical stabilizer seal and fuselage skin, a detailed inspection for wear damage and cracks of the surface of any skin repair doubler in the area, and corrective actions if necessary. For airplanes on which the fuselage skin has been blended to remove wear damage, AD 2009–14–02 also requires repetitive external detailed inspections or high frequency eddy current inspections for cracks of the blended area of the fuselage skin, and corrective actions if necessary. AD 2009–14–02 resulted from reports of skin wear damage on airplanes with fewer than 8,000 total flight cycles. Additionally, there were three reports of skin wear damage on airplanes on which Boeing Material Specifications (BMS) 10–86 Teflon-filled coating was applied (terminating action per AD 2002–26–15). We issued AD 2009–14–02 to detect and correct wear damage and cracks of the fuselage skin in the interface area of the vertical stabilizer seal and fuselage skin in sections 46 and 48, which could cause in-flight depressurization of the airplane.

Actions Since Existing AD 2009–14–02, Amendment 39–15951 (74 FR 30919, June 29, 2009) Was Issued
Since we issued AD 2009–14–02, Amendment 39–15951 (74 FR 30919, June 29, 2009), we have received a report of wear through the fuselage skin between body station (STA) 2598 and STA 2638, stringers S–2L to S–3L. The airplane had accumulated 3,657 flight hours since the previous inspection, which was less than the repetitive inspection interval.