



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aviation Safety

1701 Columbia Avenue
College Park, Georgia 30337

AIR-730-21-282

September 7, 2021

Mr. Mike Mattler
Technical Representative
Airbus Helicopters Inc.
2701 Forum Drive
Grand Prairie, TX 75052-7099

Subject: Global AMOC Request to Airworthiness Directive (AD) 2021-12-16, Paragraphs (h)(3): performing corrective actions in accordance with FAA-approved procedures; and (h)(4): removing the affected part from service as an alternative method.

Dear Mr. Mattler:

The Federal Aviation Administration (FAA) received your letter dated July 7, 2021, proposing a global alternative method of compliance (AMOC) to Paragraphs (h)(3) and (h)(4) of AD 2021-12-16.

For compliance to AD 2021-12-16, Paragraph (h)(3), your letter requests after compliance with Airbus Helicopters Alert Service Bulletin (ASB) MBB-BK117 C-2-67A-028 Rev. 0 and ASB MBB-BK117 D-2-67A-015 Rev. 0, approval to utilize an Airbus' Repair Design Approval Sheet (RDAS) as the corrective actions in accordance with FAA-approved procedures. These procedures are identified as Airbus Helicopters' Repair Design Approval Sheet, Ref No. CONT 002/2019, Issue A and provide the instructions for replacement of an affected part (damaged nut) on Airbus helicopter models BK117 C-2 and D-2, all serial numbers. Implementation of this RDAS will be performed by an Airbus-approved entity.

For compliance to AD 2021-12-16, Paragraph (h)(4), your letter request to not only remove the affected part (damaged nut) from service as an alternative method but to also replace the damaged nut with a serviceable part as identified in EASA AD 2020-0257, Issued November 17 2020, using the above referenced Repair Design Approval Sheet, Ref. No. CONT 002/2019, Issue A. FAA AD 2021-12-16 references this EASA AD as part of the compliance requirements.

The FAA International Validation Branch approves your AMOC proposal to Paragraphs (h)(3) and (h)(4) of AD 2021-12-16. The following constitutes our basis of approval:

- Airbus has identified the repair instructions as the above referenced Repair Design Approval Sheet, Ref No. CONT 002/2019, Issue A and that consent of this document

has approval under EASA's Design Organisation Approval ID #700, issued to Airbus' France division.

- Repair Design Approval Sheet, Ref No. CONT 002/2019, Issue A, cites Liebherr Technical Publication Ref. No. L-1643-MTA-0001, which specifies the nut replacement procedures applicable to Airbus models BK117 C-2 and D-2, all serial numbers. Proper implementation of this RDAS will only be assigned to trained personnel for the inspection and replacement of the damaged nut on the piston of the subject Main Rotor Actuator.
- After replacement of the discrepant nut(s), repetitive inspections and follow-on replacements shall be performed per Airbus Helicopters Alert Service Bulletin (ASB) MBB-BK117 C-2-67A-028 Rev. 0, dated July 7, 2020 and ASB MBB-BK117 D-2-67A-015 Rev. 0, dated July 7, 2020 or later approved revisions for helicopter models BK117 C-2 and D-2 as applicable.

This AMOC approval applies to Airbus Helicopters Deutschland GmbH Model MBB-BK117 C-2 and D-2, all serial numbers, and certificated in any category.

Should a new entity assume operations and/or ownership, this repair approval is not transferable.

Before using this AMOC approval, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local Flight Standards District Office / Certificate Holding District Office.

The preceding paragraph also applies to any applicable foreign-registered aircraft upon transfer of the aircraft to the U.S. registry if compliance with this repair approval has not been accomplished.

All provisions of AD 2021-12-16 that are not specifically referenced above remain fully applicable and must be complied with accordingly.

The FAA's International Validation Branch will revoke this AMOC approval if it later determines that this repair approval does not provide an acceptable level of safety.

If you have any questions or need additional information, please contact this office or Gregory Davison via electronic mail: Gregory.Davison@faa.gov.

Sincerely,

for: Serge Napoleon
Manager, General Aviation & Rotorcraft Section (AIR-732)

International Validation Branch
Compliance and Airworthiness Division
Aircraft Certification Service

cc: