

| EASA  | AIRWORTHINESS DIRECTIVE   |  |
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|    | <b>AD No.: 2015-0042</b>  |  |
|   | <b>Date: 09 March 2015</b><br><br>Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.   |  |
| This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with 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 [EU 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption]. |   |  |
| <b>Design Approval Holder's Name:</b><br>AIRBUS HELICOPTERS DEUTSCHLAND GmbH  | <b>Type/Model designation(s):</b><br>BO105 LS A-3 helicopters   |  |
| TCDS Number:  | EASA.R.011  |  |
| Foreign AD:   | Not applicable  |  |
| Supersedure:  | None  |  |
| <b>ATA 04</b>   | <b>Time Limits / Maintenance Checks – Airworthiness Limitations / Tension-Torsion Straps – Amendment / Replacement</b>  |  |
| Manufacturer(s):  | Messerschmitt-Bölkow-Blohm GmbH, Messerschmitt-Bölkow-Blohm Helicopter Canada Limited.  |  |
| Applicability:  | BO105 LS A-3 helicopters, all variants, all serial numbers.   |  |
| Reason:   | <p>The airworthiness limitations for BO105 LS A-3 helicopters are published in Aircraft Maintenance Manual (AMM) BO105 LS A-3 Chapter 101-15 (refer to EASA AD <a href="#">2013-0015</a>).</p> <p>New life limits have been introduced for Tension-Torsion straps (TT straps) installed on the helicopter lifting system.</p> <p>Failure to comply with these new life limits could result in an unsafe condition.</p> <p>For the reason described above, this AD requires replacement of TT straps upon reaching the new life limits.</p> <p>The life limits for TT straps will be entered into AMM BO105 LS A-3 at Revision 6 and further AD action may follow.</p> |  |
| Effective Date:   | 23 March 2015   |  |
| Required Action(s) and Compliance Time(s):  | Required as indicated, unless accomplished previously:<br><br>(1) From the effective date of this AD, except as specified in paragraph (2) of this AD, replace each TT strap Part Number (P/N) 2604067 or P/N 117-14110 with a serviceable part before exceeding the applicable life limit as specified in Airbus Helicopters Deutschland (AHD) ASB BO105LS-10A-013.  |  |

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|                    | <p>Note 1: For the purpose of this AD, a serviceable part is one having P/N 2604067 or P/N 117-14110 with a total accumulated life less than the applicable life limit as specified in AHD ASB BO105LS-10A-013, or having P/N J17322-1 or P/N 117-14111 with a total accumulated life less than the applicable life limit as specified in AMM BO105 LS A-3.</p> <p>Note 2: TT straps P/N 2604067 are designed for BO105 LS A-3, P/N 117-14110 straps for MBB-BK117 helicopters. Both P/N straps are interchangeable.</p> <p>(2) Within 2 months after the effective date of this AD, determine the flight cycles (FC) and calendar time accumulated by each TT strap P/N 2604067 or P/N 117-14110 since new and, before the accumulated life exceeds the applicable life limit (whichever occurs first, FC or calendar time) specified in AHD ASB BO105LS-10A-013, or within 2 months after the effective date of this AD, whichever occurs later, replace the affected part with a serviceable part.</p> |
| Ref. Publications: | <p>AHD ASB BO105LS-10A-013 Revision 0 (original issue) dated 09 March 2015.<br/>AHD AMM BO105LS A-3, Chapter 101-15.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>   |
| Remarks:           | <ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>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.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>4. For any question concerning the technical content of the requirements in this AD, please contact:<br/>Airbus Helicopters Deutschland GmbH, Industriestrasse 4,<br/>86607 Donauwörth, Federal Republic of Germany<br/>Telephone: + 49 (0)151-1422 8976, Fax: + 49 (0)906-71 4111.</li> </ol>  |