


<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2013-0065-E</b></p> <p><b>Date: 14 March 2013</b></p> <p>Note: This Emergency 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.</p>
<p>This AD is issued in accordance with EU 748/2012, Part 21.A.3B. In accordance with EC 2042/2003 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 [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].</p>	
<p><b>Design Approval Holder Names:</b></p> <p>AGUSTAWESTLAND S.p.A.</p> <p>BELL HELICOPTER TEXTRON, Inc.</p> <p>BELL HELICOPTER TEXTRON CANADA Ltd.</p> <p>EUROCOPTER</p> <p>EUROCOPTER DEUTSCHLAND GmbH</p> <p>KAMOV JOINT STOCK COMPANY</p> <p>SIKORSKY AIRCRAFT CORPORATION</p>	<p><b>Helicopter Type/Model designations:</b></p> <p>A109, AB/AW139, AB212 and AB412</p> <p>212, 214 and 412</p> <p>429 and 430</p> <p>AS 365 N3, AS 332 and EC 225</p> <p>MBB-BK 117 C-2, EC 135 and EC 635</p> <p>Ka-32</p> <p>S-61, S-76 and S-92</p>
<p>TCDS Numbers: EASA.IM.R.001, EASA.R.002, EASA.R.005, EASA.R.006, EASA.R.009, EASA.R.010, EASA.IM.R.133 and EASA.IM.R.506; USA 1H15, H1NE, H4SW and H6SW; Canada H-88; Italy SO/A 157; and France No. 159.</p>	
Foreign AD:	Not applicable
Supersedure:	None
<b>ATA 25</b>	<b>Equipment / Furnishing – Hoist – Inspection / Replacement</b>
Manufacturer(s):	AgustaWestland S.p.A., Bell Helicopter Textron Inc. (BHTI, formerly Bell Helicopters, Inc), Bell Helicopter Textron Canada Ltd (BHTC), Eurocopter (EC, formerly Eurocopter France, Aerospatiale), Eurocopter Deutschland GmbH (ECD), American Eurocopter (AEC), Kamov JSC, Sikorsky Aircraft Corporation.
Applicability:	AgustaWestland A109, AB139, AW139, AB212 and AB412 helicopters, (all Models), all serial numbers (s/n); BHTI 212, 214 and 412 helicopters, all Models, all s/n; BHTC 429 and 430 helicopters, all s/n; Eurocopter AS 365 N3, AS 332 L2 and EC225 LP helicopters, all s/n; Eurocopter Deutschland (ECD) MBB-BK117 C-2, EC135 and EC 635 (all Models) helicopters, all s/n; Kamov Ka-32A11BC and Ka-32A12 helicopters, all s/n; and Sikorsky S-61 and S-76 (all Models) helicopters, and S-92A helicopters, all s/n.
Reason:	During a maintenance check flight with a MBB-BK 117 C-2 helicopter, a dummy load of 552 lbs (250kg) was picked up in order to conduct a “maximum load cycle” on the rescue hoist. The cable reeled-out without further command of the

	<p>operator, causing the test dummy load to impact the ground.</p> <p>The results of further examinations on the subject hoist determined that the overload clutch had failed. The overload clutch design is common to all Goodrich externally mounted rescue hoists listed in Appendix 1 of this AD.</p> <p>This condition, if not detected and corrected, could lead to further cases of in-flight loss of the hoist load, possibly resulting in injury to persons on the ground or in a hoisting accident.</p> <p>For the reasons described above, this AD requires identification of the installed hoist and, for affected hoist installations, a one-time inspection and load check test of the externally mounted hoist.</p> <p>This AD is considered an interim action and further AD action may follow.</p>
Effective Date:	16 March 2013
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within 30 days after the effective date of this AD, determine the Part Number (P/N) and serial number (s/n) of the hoist installed on the helicopter. If a Goodrich hoist system is installed with a P/N and s/n listed in Appendix 1 of this AD, accomplish the following actions, as applicable to helicopter type:.</li> <li>(2) For MBB-BK 117 C-2 and EC 135 helicopters, within 30 days after the effective date of this AD, accomplish the following actions concurrently, in accordance with the instructions of ECD Alert Service Bulletin (ASB) No. MBB-BK117 C-2-85A-038, or ECD ASB No. EC135-85A-058, as applicable to helicopter type: <ol style="list-style-type: none"> <li>(2.1) Perform a cable conditioning lift in accordance with the instructions of Section 3.B.1 of the applicable ECD ASB.</li> <li>(2.2) Perform a load check test in accordance with the instructions of Section 3.B.2 of the applicable ECD ASB.</li> <li>(2.3) Record the result of the load check test in the hoist log and report those results to ECD in accordance with the instructions of Section 3.B.3 of the applicable ECD ASB.</li> </ol> </li> <li>(3) For AS 365 N3, AS 332 L2 and EC225 LP helicopters, within 30 days after the effective date of this AD, accomplish the following actions concurrently, in accordance with the instructions of Eurocopter ASB AS365-25.01.25, AS332-25.02.70, or EC225-25A133, as applicable to helicopter type: <ol style="list-style-type: none"> <li>(3.1) Perform a cable conditioning lift in accordance with the instructions of Section 3.B of the applicable Eurocopter ASB.</li> <li>(3.2) Perform a load check test in accordance with the instructions of Section 3.B of the applicable Eurocopter ASB.</li> <li>(3.3) Record the result of the load check test in the hoist log and report those results to Eurocopter in accordance with the instructions of Section 3.C of the applicable Eurocopter ASB.</li> </ol> </li> <li>(4) If the hoist fails the load check test as required by paragraph (2) or (3) of this AD, before next hoist operation, deactivate the hoist, or replace the hoist with a serviceable hoist.</li> <li>(5) For all other helicopters: Within 30 days after the effective date of this AD, inspect the hoist and, depending on findings, accomplish all applicable corrective actions before next hoist operation, in accordance with approved instructions from the helicopter manufacturer (type certificate holder), or from the hoist installation design approval holder (supplemental type certificate holder), as applicable.</li> </ol> <p>Note: Goodrich ASB No. 44301-10-15 contains information pertaining to the</p>

	<p>subject addressed by this AD.</p> <p>(6) From the effective date of this AD, it is allowed to install an affected Goodrich hoist, having a P/N and s/n as listed in Appendix 1 of this AD, on any helicopter, provided that, prior to hoisting operation, the hoist has passed the inspection and test as required by paragraph (2) or (3) of this AD, or has been inspected and, depending on findings, corrected as required by paragraph (5) of this AD, as applicable.</p>
Ref. Publications:	<p>ECD ASB No. MBB-BK117 C-2-85A-038, dated 11 March 2013.</p> <p>ECD ASB No. EC135-85A-058, dated 11 March 2013.</p> <p>Eurocopter ASB No. AS365-25.01.25, dated 13 March 2013.</p> <p>Eurocopter ASB No. AS332-25.02.70, dated 13 March 2013.</p> <p>Eurocopter ASB No. EC225-25A133, dated 13 March 2013.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p> <p>Goodrich ASB No. 44301-10-15, dated 08 March 2013.</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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full public consultation process.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive 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: <p>Goodrich Corporation, Sensors &amp; Integrated Systems (SIS-CA) Brea, California 92821, United States of America (USA) Telephone: +1 714-984-1461,</p> <p>or AgustaWestland S.p.A. Customer Support Via del Gregge, 100 - 21015 Lonate Pozzolo (VA) – Italy Telephone + 39 0331 664600 ; Fax: + 39 0331 664684 E-mail: <a href="mailto:custserv@agustawestland.com">custserv@agustawestland.com</a>,</p> <p>or Bell Helicopter Textron, Inc., P.O. Box 482, Fort Worth, Texas 76101, USA. Telephone +1 817-280-3391, Fax +1 817-280-6466,</p> <p>or Eurocopter (STDl) - Aéroport de Marseille Provence 13725 Marignane Cedex, France. Telephone +33 (0) 4 42 85 97 97, Fax +33 (0) 4 42 85 99 66 E-mail: <a href="mailto:Directive.technical-support@eurocopter.com">Directive.technical-support@eurocopter.com</a>,</p> <p>or Eurocopter Deutschland GmbH, Industriestrasse 4, 86607 Donauwörth, Germany. Telephone: + 49 (0)151-1422 8976,</p> <p>or Kamov Joint Stock Company, Russian Federation, Moscow region, Lubertsy 8th of March str., 8a Telephone +7 (495) 994-48-00, 700-31-41, Fax +7 (495) 700-33-04, 700-30-71, E-mail: <a href="mailto:market@kamov.ru">market@kamov.ru</a>. website: <a href="http://www.kamov.ru/en/">http://www.kamov.ru/en/</a>.</p> <p>or Sikorsky Aircraft Corporation, Commercial Product Support, 6900 Main Street, P.O. Box 9729, Stratford, Connecticut 06497-9129, United States of America; telephone: +1 203-416-4299, E-mail: <a href="mailto:sikorskywcs@sikorsky.com">sikorskywcs@sikorsky.com</a>.</p> </li> </ol>

## Appendix 1 – Affected Goodrich Hoist P/N and s/n

Hoist P/N (all suffixes, unless specified)	s/n
42315	00001 through 00652 inclusive
42325	00001 through 00197 inclusive
44301-10-4 44301-10-7 44301-10-9	00001 through 00670 inclusive
44301-10-1 44301-10-2 44301-10-5 44301-10-6 44301-10-8 44301-10-10 44301-10-11	00001 through 00670 inclusive
44311	00001 through 00158 inclusive
44312	00001 through 00209 inclusive
44314	00001 through 00026 inclusive
44315	00001 through 00034 inclusive
44316	00001 through 00247 inclusive *
44318	00001 through 00012 inclusive

\* Hoists previously converted from -101 to -104 will have a serial number beginning with “2”.