


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2012-0227</b></p> <p><b>Date: 29 October 2012</b></p> <p>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.</p>
<p>This AD is issued in accordance with EC 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>	
<b>Type Approval Holder's Name :</b> EUROCOPTER	<b>Type/Model designation(s) :</b> EC 155, SA 365 and AS 365 Helicopters
TCDS Number:	DGAC France No. 159
Foreign AD:	Not applicable
Supersedure:	This AD supersedes EASA AD 2011-0144 dated 26 July 2011.
<b>ATA 05 / 64</b>	<b>Tail Rotor – Tail Rotor Hub – Inspection / Replacement</b>
Manufacturer(s):	Eurocopter (formerly Eurocopter France, Aerospatiale)
Applicability:	<p>Eurocopter EC 155 B, EC 155 B1, SA 365 N1, AS 365 N2 and AS 365 N3 helicopters, all serial numbers, if equipped with a 10-blade Tail Rotor Hub (TRH) with Part number (P/N) 365A33351100, P/N 365A33351101 or P/N 365A33351102 installed on the quiet fenestron tail rotor; and</p> <p>Eurocopter AS 365 N3 helicopters, all serial numbers, if equipped with an 11-blade TRH with P/N 365A33216001 or P/N 365A33216003 installed on the quiet fenestron tail rotor.</p>
Reason:	<p>Two cases of cracked 10-blade TRH were recently reported to Eurocopter. This condition, if not detected and corrected, could lead to a tail rotor jam, possibly resulting in reduced or loss of control of the helicopter.</p> <p>To address this unsafe condition, EASA issued AD 2011-0144, to require repetitive inspections of the 10-blade TRH, and depending on findings, replacement of the 10-blade TRH.</p> <p>Since that AD was issued, based on further analysis by Eurocopter, it has been determined that the inspections checks must also be applied to AS 365 N3 helicopters equipped with an 11-blade TRH.</p> <p>For the reasons described above, this new AD retains the requirements of EASA AD 2011-0144, which is superseded, and extends the repetitive inspections of the rotor hub to AS 365 N3 helicopters equipped with an 11-blade TRH.</p> <p>This is still considered an interim measure and further AD action may follow.</p>

Effective Date:	05 November 2012
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) <b>For EC 155 B, EC 155 B1, SA 365 N1, AS 365 N2 and AS 365 N3 helicopters with a 10-blade TRH:</b></p> <p>Within 55 flight hours (FH) after 09 August 2011 [the effective date of EASA AD 2011-0144], accomplish a detailed visual inspection of the 10-blade TRH hub in accordance with the instructions of Eurocopter EC 155 Alert Service Bulletin (ASB) 05A021 Revision 1, or Eurocopter ASB AS365-05.00.60 Revision 2, as applicable to the helicopter version.</p> <p>(2) <b>For AS 365 N3 helicopters with an 11-blade TRH:</b></p> <p>Within 55 FH after the effective date of this AD, accomplish a detailed visual inspection of the 11-blade TRH hub in accordance with the instructions of Eurocopter ASB AS365-05.00.60 Revision 2.</p> <p>(3) Within 55 FH after the initial inspection as required by paragraph (1) or (2) of this AD, as applicable, and thereafter at intervals not to exceed 55 FH, repeat the inspection of the TRH in accordance with the instructions of Eurocopter EC 155 ASB 05A021 Revision 1 or Eurocopter ASB AS365-05.00.60 Revision 2, as applicable to helicopter model.</p> <p>(4) If, during an inspection as required by paragraph (1), (2) or (3) of this AD, any crack is found in the TRH, before next flight, replace the TRH with a serviceable part, in accordance with the instructions of Eurocopter EC 155 ASB 05A021 Revision 1, or Eurocopter ASB AS365-05.00.60 Revision 2, as applicable to helicopter model.</p> <p>(5) Inspections and TRH replacements, accomplished before the effective date of this AD in accordance with the instructions of Eurocopter EC 155 ASB 05A021 at original issue, or Eurocopter AS 365 ASB 05.00.60 at original issue or Revision 1, as applicable to helicopter model, is acceptable to comply with the initial requirements of paragraph (1), (2) and (3) of this AD, as applicable. After the effective date of this AD, the instructions of Eurocopter EC 155 ASB 05A021 Revision 1 or Eurocopter ASB AS365-05.00.60 Revision 2 must be used, as applicable to helicopter model.</p> <p>(6) Replacement of a TRH hub as required by paragraph (4) of this AD does not constitute terminating action for the repetitive inspection requirements of paragraph (3) of this AD.</p>
Ref. Publications:	<p>Eurocopter EC 155 ASB 05A021 Revision 1 dated 20 July 2011.</p> <p>Eurocopter ASB AS365-05.00.60 Revision 2 dated 09 October 2012.</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, 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: EUROCOPTER (STDI) - 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>.</li> </ol>