


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2006-0357R2</b></p> <p><b>Date: 19 May 2015</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 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].</p>		
<p><b>Design Approval Holder's Name:</b> AGUSTAWESTLAND S.p.A.</p>	<p><b>Type/Model designation(s) :</b> AB139 and AW139 helicopters</p>	
<p>TCDS Number :</p>	<p>EASA.R.006</p>	
<p>Foreign AD :</p>	<p>Not applicable</p>	
<p>Revision :</p>	<p>This AD revises EASA AD 2006-0357R1 dated 22 April 2010.</p>	
<p><b>ATA 53</b></p>	<p><b>Fuselage – Frame 5700 Middle Section – Inspection</b></p>	
<p>Manufacturer(s):</p>	<p>AgustaWestland S.p.A (formerly Agusta S.p.A.), AgustaWestland Philadelphia Corporation (formerly Agusta Aerospace Corporation).</p>	
<p>Applicability:</p>	<p>AB139 and AW139 helicopters, all serial numbers (S/N), if equipped with helicopter frames 5700 Middle Section: Part Number (P/N) 3P5338A13352 (left hand) and P/N 3P5338A13452 (right hand), or P/N 3P5338A13353 (left hand) and P/N 3P5338A13453 (right hand), except helicopters S/N 31002, 31003, 31004 and 31007.</p>	
<p>Reason:</p>	<p>Tests have shown that the Agusta AB/AW 139's Fuselage Frame 5700 middle section is prone to fatigue damage. To prevent cracks or structural failure in this area, a repetitive inspection has been introduced as a temporary measure by ENAC AD 2005-438.</p> <p>Subsequently, EASA issued AD 2006-0357 (later revised as R1) to retain the requirements of ENAC AD 2005-438 and to expand the applicability to include AW 139 models. No additional requirements were introduced.</p> <p>Since EASA AD 2006-0357R1 was issued, new helicopter frames P/N were designed which are also not affected by the requirements of this AD.</p> <p>For this reason, the Applicability is redefined to limit it to only helicopters equipped with specific P/N frames.</p>	

Effective Date:	Revision 2: 19 May 2015 Revision 1: 06 May 2010 Original Issue: 13 December 2006
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within the next 10 flight hours (FH) after 07 November 2005 [the effective date of ENAC AD 2005-438] or upon accumulating 100 FH time-in-service since new, whichever occurs later, inspect the fuselage frame 5700 middle section in accordance with the instructions of Agusta Technical Bulletin (BT) 139-018 Revision B dated October 18, 2006 or later revisions.</li> <li>(2) Thereafter, at intervals not exceeding 100 FH, repeat the inspection as required by paragraph (1) of this AD.</li> <li>(3) When damage or cracks are found, before next flight, contact the TC Holder (address details in the 'remarks' section of this AD) for further instructions and accomplish them accordingly.</li> <li>(4) Modification of an helicopter by installation of retro-modification P/N 3G5306P08512 or P/N 3G5306P08513, as applicable, in accordance with the instructions of Agusta BT 139-089 constitutes terminating action for the inspections as required by paragraphs (1) and (2) of this AD for that helicopter.</li> </ol>
Ref. Publications:	<p>Agusta BT 139-018 Revision B dated 18 October 2006. Agusta BT 139-089 original issue dated 19 February 2010.</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: AgustaWestland S.p.A. E-mail: <a href="mailto:aw139.mbx@agustawestland.com">aw139.mbx@agustawestland.com</a>.</li> </ol>