

<b>EASA</b>	<b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>	
	<p><b>AD No.: 2010-0242-E</b></p> <p><b>Date: 22 November 2010</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 EC 1702/2003, Part 21A.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>Type Approval Holder's Name :</b> ROLLS-ROYCE PLC</p>	<p><b>Type/Model designation(s) :</b> RB211 Trent 900 series engines</p>	
<p>TCDS Number :</p>	<p>EASA.E.012</p>	
<p>Foreign AD :</p>	<p>Not applicable</p>	
<p>Supersedure :</p>	<p>This AD supersedes EASA AD 2010-0236-E dated 10 November 2010.</p>	
<p><b>ATA 72</b></p>	<p><b>Engine – High Pressure / Intermediate Pressure (HP/IP) Structure – Inspections</b></p>	
<p>Manufacturer(s):</p>	<p>Rolls-Royce plc</p>	
<p>Applicability:</p>	<p>RB211 Trent 900 series engines, variants RB211 Trent 970-84, RB211 Trent 970B-84, RB211 Trent 972-84, RB211 Trent 972B-84, RB211 Trent 977-84, RB211 Trent 977B-84 and RB211 Trent 980-84, all serial numbers.</p> <p>These engines are known to be installed on, but not limited to, Airbus A380 series aeroplanes.</p>	
<p>Reason:</p>	<p>An uncontained engine failure has recently occurred on a Rolls-Royce Trent 900 involving release of high energy debris and leading to damage to the aeroplane. Analysis of the preliminary elements from the incident investigation shows that an oil fire in the HP/IP structure cavity may have caused a sequence of events leading to failure of the Intermediate Pressure Turbine (IPT) Disc.</p> <p>This condition, if not detected and corrected, could result in additional uncontained engine failures, possibly leading to damage to the aeroplane and injury to persons on the ground.</p> <p>Pending conclusion of the investigation, EASA issued AD 2010-0236-E to require repetitive inspections of the Low Pressure Turbine (LPT) stage 1 blades and case drain, HP/IP structure air buffer cavity and oil service tubes in order to detect any abnormal oil leakage, and if any discrepancy is found, to prohibit further engine operation.</p> <p>Since issuance of AD 2010-0236-E, the incident investigation has progressed and inspection data from in-service engines has been gathered and analysed. The results of this analysis show the need to amend the inspection procedure,</p>	

Ref. Publications:	<p>Rolls-Royce RB211 Trent 900 Alert NMSB 72-AG590 Revision 2 dated 18 November 2010.</p> <p>The use of later approved revisions of this document 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. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification.</li> <li>3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management &amp; Research 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:  Your designated Rolls-Royce representative or download the publication from your Aeromanager account at <a href="http://www.aeromanager.com">www.aeromanager.com</a>. If you do not have a designated representative or Aeromanager account, please contact <b>Corporate Communications at Rolls-Royce plc</b>, PO Box 31, Derby, DE24 8BJ, United Kingdom. Phone: +44 (0) 1332 242424, or e-mail from <a href="http://www.rolls-royce.com/contact/civil_team.jsp">http://www.rolls-royce.com/contact/civil_team.jsp</a> identifying the correspondence as being related to <b>Airworthiness Directives</b>.</li> </ol>