


<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2006 – 0186</b></p> <p><b>Date: 03 July 2006</b></p>
No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry.	
<b>Type Approval Holder's Name :</b> ATR	<b>Type/Model designation(s) :</b> ATR 42 and ATR72 Aircraft
TCDS Number : EASA.A.084	
Foreign AD : None	
Supersedure : None	
<b>ATA 28</b>	<b>Fuel - Prevention against fuel tank explosion risk-adjacent systems</b>
<b>Manufacturer(s):</b>	ATR (formerly AEROSPATIALE-AERITALIA, AEROSPATIALE-ALENIA, AEROSPATIALE ATT-ALENIA, EADS ATR-ALENIA)
<b>Applicability:</b>	<p>ATR 42 aircraft, all models, all serial numbers, except aircraft that have received ATR modification 05355 in production (MSN 643 and subsequent) or ATR Service Bulletin (SB) ATR42-28-0039 R1 in service.</p> <p>ATR 72 aircraft, all models, all serial numbers, except aircraft that have received ATR modification 05356 in production (MSN 725 and subsequent) or ATR SB ATR42-28-1019 R1 in service.</p>
<b>Reason:</b>	<p>Further to the accident of Boeing 747-131 (flight TWA 800), the FAA has published a set of new rules related to the fuel tank safety, including the Special Federal Aviation Regulation 88 (SFAR 88).</p> <p>The JAA has issued an Interim Policy JAA INT/POL 25/12, to recommend the application of a similar requirement to the National Aviation Authorities (NAA).</p> <p>This recommendation was followed by French DGAC, which rendered the compliance to JAA INT/POL 25/12 mandatory for all ATR Aircraft.</p> <p>Under this regulation, all holders of type certificates are required to conduct a design review of their fuel tank systems against explosion risk. It also requires the development and implementation of maintenance and inspection instructions to maintain the safety of the fuel tank system.</p>

	<p>To answer JAA INT/POL 25/12, and in accordance with SFAR 88 requirements and guideline, ATR carried out a safety review on the fuel tank systems and zones adjacent to the fuel tanks on all ATR models using relevant safety assessment methods of JAR 25.1309.</p> <p>As a result of this safety review, ATR developed for ATR 42 the modification 05355 (SB ATR42-28-0039), and for ATR 72 the modification 05356 (SB ATR72-28-1019). Those modifications consist in the installation of fuses adapters on wiring entering the fuel tanks and current limitation devices. For ATR 72 aircraft, the modification also requires replacement of the high level sensors with new sensors having shorter harness.</p> <p>Embodiment of these modifications or Service bulletins provides full compliance with JAR 25.1309 and eliminates the unsafe conditions in accordance with SFAR 88 and AC 25-981-1B guidelines.</p>
Effective Date:	17 July 2006
Compliance:	At first opportunity after the effective date of this AD, but at the latest before December 31 <sup>st</sup> , 2009, modify fuel system, according to the instructions given by SB ATR42-28-0039 R1 (for ATR 42 models) or SB ATR72-28-1019 R1 (for ATR 72 models).
Ref. Publications:	Service Bulletin ATR42-28-0039 R1 Service Bulletin ATR72-28-1019 R1 or later approved revisions.
Remarks :	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD.</li> <li>2. This AD was posted as PAD 06-111 for consultation on 20 April 2006 with a comment period until 19 May 2006. No comment was raised during consultation period.</li> <li>3. Inquiries regarding this Airworthiness Directive should be referred to Mr. M. Capaert, Airworthiness Directive Focal Point - Certification Directorate, EASA. E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></li> </ol> <p>For any questions concerning the technical content of the requirements in this AD, please contact: ATR Didier CAILHOL – Fax: +33 (0) 5 62 21 67 18. Email: <a href="mailto:continued.airworthiness@atr.fr">continued.airworthiness@atr.fr</a></p>