

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2009-0242 Date: 18 December 2009 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.
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].	
Type Approval Holder's Name : ATR - GIE Avions de Transport Régional	Type/Model designation(s) : ATR 42 and ATR72 series aeroplanes
TCDS Number : EASA A.084	
Foreign AD : Not applicable	
Superseding: This AD supersedes EASA AD 2006-0219R2 dated 05 August 2008.	
ATA 05	Time Limits / Maintenance Checks – Certification Maintenance Requirements and Critical Design Configuration Control Limitations [Fuel Tank Safety]
Manufacturer(s):	ATR - GIE Avions de Transport Régional (formerly AEROSPATIALE – AERITALIA, AEROSPATIALE – ALENIA, AEROSPATIALE ATR– ALENIA, EADS ATR – ALENIA)
Applicability:	ATR42-200, ATR42-300, ATR42-320, ATR42-400, ATR42-500, ATR72-101, ATR72-201, ATR72-102, ATR72-202, ATR72-211, ATR72-212, and ATR72-212A aeroplanes, all serial numbers.
Reason:	Following a policy statement about demonstration of compliance with the certification requirements for prevention of ignition sources inside the fuel tanks of transport category airplanes ATR conducted a safety review of the aircraft fuel tank system against safety requirements of CS 25.901(c) and 25.1309. The assessment showed that it was necessary to introduce specific fuel system related Maintenance Significant Items (MSIs) and Critical Design Configuration Control Limitation (CDCCL) items in order to preserve the fuel tank system ignition source prevention features from any configuration alterations that could occur during maintenance actions, repairs or modifications. Failure to preserve those critical ignition source prevention features could result in a fuel tank explosion. The Time-Limits Document - that is appended to the ATR Maintenance Review Board Report (MRBR) - is an EASA-approved document that synthesizes all MSIs, as are the systems Certification Maintenance Requirements (CMRs) and Structural Significant Items (SSIs). CMRs and SSIs are requisites of the design approval. Failure to comply with the CMRs and SSIs requirements nullifies the design approval because any

	non-compliance could result in a catastrophic failure. Time-Limits documents at Revision 7 for ATR42-200/-300/-320, Revision 6 for ATR42-400/-500 and Revision 8 for ATR72 were issued to introduce the Functional test of fuse adapters (Task 28.10.00-2) - whose installation has been mandated by AD 2007-0226 - to extend to 12.5 years (150 Months) the interval for the detailed visual inspection of the fuel tanks and associated parts and components thereof (Task 28.10.00-1) and to add the CDCCL section related to the fuel tank safety. Consequently, to ensure the management and control of the Airworthiness Limitations, this AD retains the requirements of AD 2006-0219R2, which is superseded, and clarifies the required compliance schedules, without introducing additional technical requirements.						
Effective Date:	01 January 2010						
Required Action(s) and Compliance Time(s):	Required as indicated, unless already accomplished: <u>Fuel CMRs and Detailed Visual Inspections (DVIs) of the Fuel Tanks</u> (1) Within 60 days after the effective date of this AD, amend the operator's approved aircraft maintenance programme to incorporate the tasks as introduced per the current revision of the applicable ATR 42 and ATR 72 series Time-Limits document identified in the section Ref. Publications of this AD. (2) Accomplish the CMR Task reference 28.10.00-1 (fuel tanks DVI) at the time indicated in Table 1 of this AD, as applicable. Table 1 <table border="1"> <thead> <tr> <th>Aeroplane Accumulated Time* on 27 July 2006 (the effective date of EASA AD 2006-0219)</th><th>Compliance Time</th></tr> </thead> <tbody> <tr> <td>144 months or more</td><td>within 20 000 flight hours or 72 months, whichever occurs first after 27 July 2006</td></tr> <tr> <td>Less than 144 months</td><td>Prior to accumulating 150 months since initial C-of-A issuance.</td></tr> </tbody> </table> * Calculated from the issue date of the initial standard or export Certificate of Airworthiness (initial C-of-A)]. (3) When any discrepancies are detected during the inspection as required by paragraph (2) of this AD, before further flight, contact ATR-GIE to obtain the necessary approved instructions for corrective action and accomplish those instructions accordingly. <u>Critical Design Configuration Control Limitations (CDCCL)</u> (4) Within 60 days after the effective date of this AD, amend any of the ATR42 and ATR72 series aeroplanes' related procedures or documentations to highlight the existence of CDCCL items as introduced per section 4 of the applicable revision of the Time-Limits document identified in the section Ref. Publications of this AD to emphasize the requirement to maintain the design features of those CDCCL items.	Aeroplane Accumulated Time* on 27 July 2006 (the effective date of EASA AD 2006-0219)	Compliance Time	144 months or more	within 20 000 flight hours or 72 months, whichever occurs first after 27 July 2006	Less than 144 months	Prior to accumulating 150 months since initial C-of-A issuance.
Aeroplane Accumulated Time* on 27 July 2006 (the effective date of EASA AD 2006-0219)	Compliance Time						
144 months or more	within 20 000 flight hours or 72 months, whichever occurs first after 27 July 2006						
Less than 144 months	Prior to accumulating 150 months since initial C-of-A issuance.						
Ref. Publications:	Time-Limits document dated 16 August 2007, Revision 7 for ATR42-200/-300/-320, Revision 6 for ATR42-400/-500 and Revision 8 for ATR72. These documents are part of the appendix A of the Maintenance Review Board Report.						

	The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks :	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail ADs@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this AD, please contact: ATR - GIE Avions de Transport Régional Continued Airworthiness Service Tel.: +33 (0)5 62 21 62 21 - Fax: +33 (0) 5 62 21 67 18 E-mail: continued.airworthiness@atr.fr