	AIRWORTHINESS DIRECTIVE No F-2005-211	Distribution: B	Issue date: December 21, 2005	Page : 1/2
	Direction générale de l'aviation civile France GSAC publication	This Airworthiness Directive is published by the DGAC on behalf of EASA, Airworthiness Authority of the State of Design for the affected product, part or appliance.		<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>
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.				
Corresponding foreign Airworthiness Directive(s): Not applicable		Airworthiness Directive(s) replaced: F-2003-431 and F-2003-432 cancelled by their Revision 1		
Person in charge of airworthiness: ATR		Type(s): ATR 42 and ATR 72 aircraft		
Type certificate(s) No. 176 TCDS No 176				
ATA chapter: 25	Subject: Equipment/Furnishings - Thermal/acoustical insulation materials			

1. EFFECTIVITY:

- ATR 42-400 and -500 aircraft models, all serial numbers, except those equipped with modification ATR 5117 or 5322 (Service Bulletin (SB) ATR 42-25-0134 Revision 2)

and,

- ATR 72 -102, -202, -212 and -212A aircraft models, all serial numbers, on which:

- at least one of ATR modifications 3890 or 4204 has been embodied,

but,

- none of ATR modifications 5117 or 5322 (Service Bulletin (SB) ATR 72-25-1074 Revision 2) has been embodied.

Note: ATR 42 and ATR 72 aircraft on which SB ATR 42-25-0134 or ATR 72-25-1074 have been embodied at the original issue or at Revision 1 are affected by this Airworthiness Directive (AD).


2. REASONS:

After some incidents initiated by electrical short circuit behind side wall, in which the flammability characteristics of thermal/acoustical insulation material made from metallized polyethyleneteraphthalate (MPET) may have been a contributing factor, the Certification Authority decided to improve flammability standards for thermal/acoustical insulation materials.

As consequence, new requirements have been created and the MPET (also called metallized MYLAR) shall be replaced on all aeroplanes.

Although no incident has never been experienced on ATR aeroplanes equipped with MPET, the actions mandated by the present AD are intended to improve the fire safety standard of the insulation blankets installed on ATR aircraft.

This AD takes over the requirements of AD F-2003-431 for ATR 42 and AD F-2003-432 for ATR 72 and mandates embodiment of SB ATR 42-25-0134 Revision 2 (ATR 42) or ATR 72-25-1074 Revision 2 (ATR 72) which introduce replacement of new thermal/acoustical insulation materials.

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3. MANDATORY ACTIONS AND COMPLIANCE TIME:

In order to comply with the requirements, the following measures are rendered mandatory from the effective date of this AD:

During the next "eight year calendar check" and at the latest before May 31, 2009, remove the MPET insulation blankets and replace them with the new ones in accordance with the instructions given by SB ATR 42-25-0134 Revision 2 or ATR 72-25-1074 Revision 2.

Aircraft on which SB ATR 42-25-0134 or ATR 72-25-1074 have been embodied at the original issue or at Revision 1 must be put in conformity with Revision 2 of these SB before May 31, 2009.

4. REFERENCE PUBLICATIONS:

Service Bulletin ATR 42-25-0134 Revision 2
Service Bulletin ATR 72-25-1074 Revision 2
(Any further approved revision of these SB is acceptable).

5. EFFECTIVE DATE:

December 31, 2005.

6. REMARK:

For questions concerning the technical contents of this AD's requirements, contact:

ATR - Didier CAILHOL -Fax: 33 5 62 21 67 18.

7. APPROVAL:

This AD is approved under EASA reference No 2005-6437 dated December 13, 2005.