EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2007-0179 **Date: 31 July 2007**

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.

Type Approval Holder's Name:	**Type/Model designation(s):**
ATR – GIE Avions de Transport Régional	ATR 42 and ATR72 series

TCDS Number: EASA A.084

Foreign AD: not applicable

Supersedure: not applicable

ATA 30	**Ice & Rain Protection – Pitot Probe Resistance & Low Current Sensor – Inspection / Replacement**
Manufacturer(s):	ATR - GIE Avions de Transport Régional (formerly AEROSPATIALE-AERITALIA, AEROSPATIALE-ALENIA, AEROSPATIALE ATR-ALENIA, EADS ATR-ALENIA)
Applicability:	All ATR 42 series aircraft models, all serial numbers, except aircraft modified per ATR modification 05469 (Installation of new current sensors for Pitot probes) in production (i.e. MSN 631 and subsequent) or per ATR Service Bulletin (SB) ATR42-30-0072 at any approved revision in service, and All ATR 72 series aircraft models, all serial numbers, except aircraft modified per ATR modification 05469 in production (i.e. MSN 699 plus MSN 713 and subsequent) or per ATR SB ATR72-30-1042 at any approved revision in service.
Reason:	A recent incident evidenced that some failures of the Pitot probe heating resistance may not be seen by the low current detection system on aircraft not equipped with modification 05469 (SB ATR42-30-0072 or ATR72-30-1042). In some conditions, an out of tolerance resistance, failing to provide a proper Pitot probe de-icing could not be detected. To address this unsafe condition, this Airworthiness Directive (AD) requires repetitive verification of the Pitot probes' resistance and replacement of any defective probes, and ultimate replacement of the three low current sensors for Captain, First Officer and Standby Pitot probes.
Effective Date:	14 August 2007

Compliance:	(1) Within the next 550 Flight Hours (FH) after the effective date of this directive and thereafter at intervals not to exceed 550 FH, verify the three Pitot probes' heating resistance in accordance with the instructions of SB ATR42-30-0074 or SB ATR72-30-1044, as applicable; (2) If any resistance exceeding 50 Ohms is found, before next flight, replace the Pitot probe in accordance with the instructions of SB ATR42-30-0074 or SB ATR72-30-1044, as applicable; (3) Within the next 5 000 FH after the effective date of this AD, replace the three Pitot probe current sensors in accordance with the instructions of SB ATR42-30-0072 Revision 1 or SB ATR72-30-1042 Revision 1, as applicable; (4) After compliance with paragraph (3) of this directive, the repetitive verifications of paragraph (1) of this directive are no longer required.
Ref. Publications:	Service Bulletin ATR42-30-0074 original issue; Service Bulletin ATR72-30-1044 original issue; Service Bulletin ATR42-30-0072 revision 1; Service Bulletin ATR72-30-1042 revision 1; or later approved revisions of these documents.
Remarks:	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. 2. This AD was posted on 13 June 2007 as PAD 07-083 for consultation until 11 July 2007. The Comment Response Document can be found at http://ad.easa.europa.eu/ . 3. Enquiries regarding this AD should be referred to the AD Focal Point - 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, Fax: +33 (0) 5 62 21 67 18. Email: continued.airworthiness@atr.fr