



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 20-141

Issued: 15 September 2020

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name: **Type/Model designation(s):**

ATR-GIE AVIONS de TRANSPORT RÉGIONAL ATR 72 aeroplanes

Effective Date: [TBD - standard: 14 days after AD issue date]

TCDS Number(s): EASA.A.084

Foreign AD: Not applicable

Supersedure: None

ATA 92 – Electrical Routing – Electrical Harness Routes 1M and 1S-1V – Modification

Manufacturer(s):

ATR-GIE Avions de Transport Régional, formerly EADS ATR - Alenia, Aerospatiale Matra ATR - ALENIA, Aerospatiale - Alenia, Aerospatiale – Aeritalia

Applicability:

ATR 72-212A aeroplanes, manufacturer serial numbers (MSN) 1165 to 1627 inclusive, except MSN 1561, 1589, 1591, 1592, 1595, 1600, 1620 and 1623.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: ATR Service Bulletin (SB) ATR72-92-1051.

Reason:

An occurrence has been reported of Engine Electrical Control # 1 fault in flight. During subsequent trouble-shooting, it was determined that this event was caused by damage on an electrical harness bundle (route 1 M), due to chafing with an air duct clamp located behind overhead bins in fuselage zone 253. Investigation results revealed that the interference was due to insufficient length between the air duct clamp and the harness bundle, leading to tension in the wire sheath.



This condition, if not corrected, may lead to wire failure (damage or short circuit) and uncontrolled fire, with potential loss of multiple systems, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, ATR issued the SB to provide modification instructions.

For the reasons described above, this AD requires modification of electrical wiring routings 1M and 1S-1V, and rotation of the de-icing pipe coupling.

Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

Modification:

Within 5 000 flight hours or 24 months, whichever occurs later after the effective date of this AD, modify the installation of the electrical harness routes 1M and 1S-1V and the de-icing pipe coupling in accordance with the instructions of the SB.

Ref. Publications:

ATR SB ATR72-92-1051 original issue dated 27 July 2020.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 13 October 2020.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this PAD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
4. For any question concerning the technical content of the requirements in this PAD, please contact: ATR - GIE Avions de Transport Régional, Continued Airworthiness Service, Telephone: +33 (0)5 62 21 62 21, Fax: +33 (0) 5 62 21 67 18; E-mail: continued.airworthiness@atr-aircraft.com.

