



Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 17-063

Issued: 22 May 2017

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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:

ATR-GIE AVIONS de TRANSPORT RÉGIONAL

Type/Model designation(s):

ATR 42 and 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 – Electric / Electronic Common Installation – Wire Chafing Behind Cabin Sidewall – Inspection

Manufacturer(s):

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

Applicability:

ATR 42-500 aeroplanes, manufacturer serial numbers (MSN) 1014 to 1019 inclusive and 1201 to 1212 inclusive, and

ATR 72-212A aeroplanes, MSN 1165 to 1200 inclusive, 1220 to 1353 inclusive, 1355 to 1380 inclusive, 1382, 1385 and 1388.

Reason:

An event was reported of several spurious alarms on a recently delivered ATR 72 aeroplane. During troubleshooting it was evidenced damage on the electrical harness bundle (Route 1M) due to chafing with a window blinding panel located on the left hand of the fuselage, zone 231. A bracket, necessary to maintain the harness bundle close to the structure of the fuselage and avoid chafing, was missing.



Same bracket has also been found missing on the other side of the fuselage (symmetrical location, Right Hand side, zone 232, route 2M) with no damage on the harness bundle.

A quality investigation revealed another aeroplane on the production line, where same brackets were not installed.

This condition, if not detected and corrected, may lead to wire failure (cut or shorted) and, in case of several failures in combination, the loss of systems, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, ATR published Service Bulletin (SB) ATR 42-92-0033 and SB ATR 72-92-1044 to provide instructions to verify the installation of the brackets and to inspect the wire bundles.

For the reasons described above, this AD requires a one-time inspection of the routing attachments, and depending on findings, installation of the brackets and, as necessary, wire repair.

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

Required as indicated, unless accomplished previously:

Note: ATR SB ATR 42-92-0033 and SB ATR 72-92-1044, both original issue, are hereafter collectively referred to as 'the applicable SB' in this AD.

- (1) Within 6 months or 500 flight hours, whichever occurs first after the effective date of this AD, inspect the bracket and the wires bundles of the Route 1M and Route 2M electrical harness in accordance with the instructions of the applicable SB.
- (2) If, during the inspection as required by paragraph (1) of this AD, any discrepancy is detected as defined in the applicable SB, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of the applicable SB.

Ref. Publications:

ATR SB ATR 42-92-0033 original issue dated 03 May 2017.

ATR SB ATR 72-92-1044 original issue dated 03 May 2017.

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.

Remarks:

1. This Proposed AD will be closed for consultation on 19 June 2017.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
3. For any question concerning the technical content of the requirements in this PAD, please contact: ATR - GIE Avions de Transport Régional, Continued Airworthiness Service,



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