



## Emergency Airworthiness Directive

**AD No.:** 2021-0237-E

**Issued:** 04 November 2021

Note: This Emergency Airworthiness Directive (AD) 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.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EU) 2018/1139, Article 71 exemption].

### Design Approval Holder's Name:

ATR-GIE AVIONS DE TRANSPORT REGIONAL

### Type/Model designation(s):

ATR 42 and ATR 72 aeroplanes

**Effective Date:** 08 November 2021

**TCDS Number(s):** EASA.A.084

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 26 – Fire Protection – Engine Fire Handles Snap Wire – Inspection

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### Manufacturer(s):

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

### Applicability:

ATR 42-200, ATR 42-300, ATR 42-320, ATR 42-400 and ATR 42-500 aeroplanes, all manufacturer serial numbers (MSN), except MSN 1416, 1419, 1601, 1602, 1604, 1606 and subsequent; and

ATR 72-101, ATR 72-102, ATR 72-201, ATR 72-202, ATR 72-211, ATR 72-212 and ATR 72-212A aeroplanes, all MSN except MSN 1556, 1565, 1575, 1594, 1596, 1598, 1620, 1627 to 1629 inclusive, 1631, 1632, 1634, 1636 to 1641 inclusive, 1644, 1646 to 1651 inclusive, 1654 to 1656 inclusive, 1658 to 1660 inclusive, 1662 to 1679 inclusive, 1682 to 1685 inclusive, 1687 and subsequent.

### Definitions:

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

**The AOM:** ATR Airworthiness Operators Message (AOM) 2021/12 Issue 2.



**Reason:**

An incorrect reference was identified in the Aircraft Maintenance Manual (AMM) maintenance procedure (MP) ATR-A-26-12-60-00ZZZ-281Z-A “Scheduled Inspection of the Engine Fire Detection Loops”, concerning a visual inspection of the fire handles snap wire.

This condition, if not detected and corrected, combined with an engine fire, could lead to a failure of the engine fire handle to operate, possibly resulting in an uncontrolled engine fire and reduced control of the aeroplane.

To address this potential unsafe condition, ATR issued the AOM 2021/12 Issue 1 to provide inspection instructions. Further to this release, several cases of feedback have been received regarding safety/guarantee seal shortage and, consequently, ATR up-issued the AOM, as defined in this AD, providing some additional instructions in relation to safety/guarantee seal installation. ATR also corrected the AMM MP ATR-A-26-12-60-00ZZZ-281Z-A respectively, incorporating a temporary revision in the Maintenance Documentation ATR navXR from 01 November 2021.

For the reasons described above, this AD requires a one-time visual inspection of the installation of the fire handles, and, depending on findings, accomplishment of applicable corrective action(s).

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

Required as indicated, unless accomplished previously:

**Inspection:**

- (1) Within 7 days after the effective date of this AD, accomplish a one-time visual inspection of both engines fire handles in accordance with the instructions of the AOM.

**Corrective Action(s):**

- (2) If, during the inspection as required by paragraph (1) of this AD, any discrepancy is detected, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of the AOM.

**Credit:**

- (3) Inspection and corrective actions accomplished on an aeroplane before the effective date of this AD in accordance with the instructions of ATR AOM 2021/12 Issue 1 is an acceptable method to comply with the requirements of paragraphs (1) and (2) of this AD for that aeroplane.

**Ref. Publications:**

ATR AOM 2021/12 Issue 1 dated 28 October 2021 and Issue 2 dated 04 November 2021.

The use of later approved revisions of the above-mentioned document 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 results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, 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 AD 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.
5. For any question concerning the technical content of the requirements in this AD, 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](mailto:continued.airworthiness@atr-aircraft.com).

