

Notification of a Proposal to issue an Airworthiness Directive

PAD No.: 25-049

14 March 2025 **Issued**:

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.

Type/Model designation(s):

ATR 42 aeroplanes

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

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

TCDS Number(s): EASA.A.084

Not applicable Foreign AD:

Supersedure: None

ATA 27 – Flight Controls – Flap Asymmetry Detection Mechanism – Inspection

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 aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

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

The SB: ATR Service Bulletin (SB) ATR42-27-0116.

Reason:

An occurrence of flap asymmetry detector and flap interconnection shaft having worn splines and not engaging mechanically was reported during maintenance.

This condition, if not detected and corrected, could lead to the loss of flap asymmetry monitoring, which, in case of asymmetrical flaps extension or retraction, could possibly result in reduced control of the aeroplane.



To address this potential unsafe condition, ATR published the SB providing inspection instructions.

For the reasons described above, this AD requires a one-time Special Detailed Inspection (SDI) of the affected flap asymmetry detection mechanism and, depending on findings, accomplishment of corrective action(s).

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

One-Time Inspection:

(1) Within 6 months after the effective date of this AD, accomplish an SDI of the flap asymmetry detection mechanism in accordance with the instructions of the SB.

Corrective Action(s):

(2) If, during the SDI as required by paragraph (1) of this AD, any discrepancy is detected, before next flight, contact ATR for approved repair instructions and, within the compliance time specified therein, accomplish those instructions accordingly.

Ref. Publications:

ATR SB ATR42-27-0116 original issue dated 05 December 2024.

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 11 April 2025.
- 2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: <u>ADs@easa.europa.eu.</u>
- 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 <u>EU aviation safety reporting system</u>. 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.
- 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: <u>continued.airworthiness@atr-aircraft.com.</u>

