



## Notification of a Proposal to issue an Airworthiness Directive

**PAD No.:** 25-047R1

**Issued:** 13 March 2025

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:**

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:** This AD supersedes EASA AD 2023-0125 dated 22 June 2023.

### ATA 55 – Stabilizers – Horizontal Stabilizer Front Box, Centre Box and Front Spar Web – Inspection

**Manufacturer(s):**

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

**Applicability:**

ATR 42-500 and ATR 72-212A aeroplanes having a manufacturer serial number (MSN) as listed in the SB1 or the SB2, as defined in this AD.

**Definitions:**

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

**The SB1:** ATR Service Bulletin (SB) ATR42-55-0020 Revision 03 or SB ATR72-55-1013 Revision 03, as applicable.

**The SB2:** ATR SB ATR42-55-0025 or SB ATR72-55-1018, as applicable.



**Groups:** Group 1 aeroplanes are those having an MSN as listed in the SB1, and which are not Group 2.

Group 2 aeroplanes are ATR42-500 aeroplanes having MSN 530, 534, 537, 539, 542, 544, 549, 551, 554, 556, 559, 561, 564, 566, 569, 571, 574, 576, 579, 581, 584, 586, 589, 591, 594, 596, 599, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 625, 627, 631, 633, 637, 639, 641, 645, 647, 649, 651, 653, 655, 659, 661, 667, 669, 1604, 1613, 1615 or 1616, and

ATR72-212A aeroplanes having MSN 560, 567, 568, 570, 573, 575, 577, 578, 585, 588, 592, 595, 597, 600, 628, 630, 632, 634, 636, 644, 646, 648, 650, 652, 654, 658, 662, 666, 672, 674, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 690, 692, 694, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 722, 723, 724, 726, 727, 728, 730, 731, 734, 735, 736, 740, 741, 742, 744, 745, 746, 747, 748, 749, 751, 752, 753, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 769, 1629, 1637, 1649, 1673, 1696, 1735, 1741 or 1753.

Group 3 aeroplanes are those having an MSN as listed in the SB2.

Depending on the MSN, certain aeroplanes can be both a Group 1 and a Group 3 aeroplane, or a Group 2 and a Group 3 aeroplane.

**Affected area(s) 1:** Horizontal stabilizer (HS) left-hand and right-hand leading edge lateral ribs, the box in between and the centre box upper panel; and HS forward back-up fitting.

**Affected area(s) 2:** HS front spar web and centre box internal area.

**Reason:**

Several occurrences were reported, where loose fasteners and cracks were found in the affected area(s) 1 on some in-service aeroplanes. Subsequent investigations identified possible manufacturing deviations, resulting in a list of Horizontal Tail Planes (HTP) which might be affected by similar issues.

This condition, if not detected and corrected, could reduce the structural integrity of the aeroplane.

To address this potential unsafe condition, ATR issued SB ATR42-55-0020 and SB ATR72-55-1013, both later revised, to provide inspection instructions. Consequently, EASA issued AD 2023-0125 to require a one-time detailed inspection (DET) of the affected area(s) 1, as defined in this AD, and, depending on findings, accomplishment of applicable corrective action(s).

Since that AD was issued, it has been determined that additional aeroplanes are affected, and that also the affected area(s) 2, as defined in this AD, have to be inspected.

Consequently, ATR issued the SB1, extending its effectivity, and the SB2, to provide additional inspection instructions.

For the reasons described above, this AD retains the requirements of EASA AD 2023-0125, which is superseded, expands the applicability and requires inspection of additional areas.



Since the PAD 25-047 has been issued it has been discovered that certain MSN from Group 2 were missing. Therefore, this PAD is revised and republished for additional consultation.

**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:

**Inspection(s):**

- (1) Within the compliance time specified in Table 1 of this AD, as applicable, accomplish a one-time DET of the affected area(s) 1 and the affected area(s) 2, in accordance with the instructions of the SB1 or the SB2, as applicable.

Table 1 – Compliance Time and Applicable SB

Group	Compliance Time	SB
1	Within 24 months after 06 July 2023 [the effective date of EASA AD 2023-0125]	SB1
2	Within 24 months after the effective date of this AD	SB1
3	Within 24 months after the effective date of this AD	SB2

**Corrective Action(s):**

- (2) If, during the DET as required by paragraph (1) of this AD, any discrepancy as defined in the SB1 or the SB2, as applicable, is detected, before next flight, contact ATR for approved repair instructions and, within the compliance time specified therein, accomplish those instructions accordingly. If no compliance time for the repair is identified in those instructions, accomplish those instructions before next flight.

**Credit:**

- (3) For Group 1 aeroplanes: Inspection of the affected area(s) 1 accomplished on an aeroplane before the effective date of this AD, in accordance with the instructions of SB ATR42-55-0020 at original issue, Revision 01 or Revision 02, or of SB ATR72-55-1013 at original issue, Revision 01 or Revision 02, as applicable, is acceptable to comply with the affected area(s) 1 inspection requirement of paragraph (1) of this AD, as defined in SB1, for that aeroplane.

**Ref. Publications:**

ATR SB ATR42-55-0020 original issue dated 02 March 2023, or Revision 01 dated 24 July 2023, or Revision 02 dated 03 September 2024, or Revision 03 dated 31 January 2025.

ATR SB ATR72-55-1013 original issue dated 02 March 2023, or Revision 01 dated 24 July 2023, or Revision 02 dated 03 September 2024, or Revision 03 dated 31 January 2025.

ATR SB ATR42-55-0025 original issue dated 03 February 2025.

ATR SB ATR72-55-1018 original issue dated 03 February 2025.



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

**Remarks:**

1. This Proposed AD will be closed for consultation on 10 April 2025.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto: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](mailto:continued.airworthiness@atr-aircraft.com).

