



# 適航指令發布單

## Airworthiness Directive Issuance Form

|   |  |                     |           |
|---|--|---------------------|-----------|
| 民航局 AD 編號<br>AD number  | CAA-2023-06-005  | 發布日期<br>Date issued | 2023/6/27 |
| 適用之航空產品<br>Applied to (models, serial numbers or part numbers, as applicable)   | ATR 42-500 and ATR 72-212A aeroplanes, manufacturer serial numbers as listed in the applicable SB, as defined in this AD.  |                     |           |
| 主旨摘要<br>Subject   | Stabilizers - Horizontal Stabilizer Front and Centre Box - Inspection  |                     |           |
| 民航局<br>CAA<br><input type="checkbox"/> 本國產品<br>Native product<br><input type="checkbox"/> 其他個案<br>Other   | 設計國民航主管機構<br>Original Authority<br><div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> FAA<br/> <input checked="" type="checkbox"/> EASA<br/> <input type="checkbox"/> Brazil<br/> <input type="checkbox"/> Transport Canada Civil Aviation<br/> <input type="checkbox"/> DGAC             </div> <div> <input type="checkbox"/> Germany LBA<br/> <input type="checkbox"/> CAA-NL<br/> <input type="checkbox"/> UK CAA<br/> <input type="checkbox"/> Japan CAB<br/> <input type="checkbox"/> CAA of Israel<br/> <input type="checkbox"/> Other _____             </div> </div> |                     |           |
|   | 設計國 AD 編號<br>Original AD number  | 2023-0125           |           |
|   | 1. 直接採用原 AD 之內容?(Is the original AD directly adopted?)<br><input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _<br>a. 生效日期另訂為(Re-specify the effective date as) : _____<br>b. 執行時限另訂為(Re-specify the compliance time or period as) : _____<br>2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?)<br><input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)  |                     |           |
| 備註<br>Note  | ATA 55. Ref. Publications: ATR SB ATR42-55-0020 original issue dated 02 March 2023, and ATR SB ATR72-55-1013 original issue dated 02 March 2023.   |                     |           |
| 註： 1. AD 內容後附。<br>2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。<br>3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail：<br><a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a><br>Note： 1. The AD text is enclosed.<br>2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval.<br>3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6330 / 6332, Fax：(02)2545-8464, e-mail：<br><a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> |  |                     |           |



## Airworthiness Directive

**AD No.:** 2023-0125

**Issued:** 22 June 2023

Note: This 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 or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] 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:** 06 July 2023

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

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 55 – Stabilizers – Horizontal Stabilizer Front and Centre Box – 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, manufacturer serial numbers as listed in the applicable SB, as defined in this AD.

### Definitions:

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

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

**Affected areas:** 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.



**Reason:**

Several occurrences of loose fasteners and cracks in the affected areas have been reported on in-service aeroplanes. Subsequent investigations identified possible manufacturing errors and a list of Horizontal Tail Planes (HTP) which could 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 the applicable SB to provide inspection instructions.

For the reason described above, this AD requires one-time detailed inspection (DET) of the affected areas 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 24 months after the effective date of this AD, accomplish a DET of the affected areas, as defined in this AD, in accordance with the instructions of the applicable SB.

**Corrective Action(s):**

- (2) If, during the DET as required by paragraph (1) of this AD, any discrepancy as defined in the applicable SB 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.

**Ref. Publications:**

ATR SB ATR42-55-0020 original issue dated 02 March 2023.

ATR SB ATR72-55-1013 original issue dated 02 March 2023.

The use of later approved revisions of the above-mentioned documents 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. This AD was posted on 08 May 2023 as PAD 23-055 for consultation until 05 June 2023, and re-posted on 02 June 2023 as PAD 23-055R1 for additional consultation until 16 June 2023. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
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).

