



適航指令發布單

Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2025-06-004	發布日期 Date issued	2025/06/09
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Airbus A350-941 and A350-1041 aeroplanes, all manufacturer serial numbers (MSN).		
主旨摘要 Subject	Flight Controls - Flight Control Remote Module - Replacement		
民航局 CAA <input type="radio"/> 本國產品 Native product <input type="radio"/> 其他個案 Other	設計國民航主管機構 Original Authority <input type="radio"/> FAA <input type="radio"/> Germany LBA <input checked="" type="radio"/> EASA <input type="radio"/> CAA-NL <input type="radio"/> Brazil <input type="radio"/> UK CAA <input type="radio"/> Transport Canada Civil Aviation <input type="radio"/> Japan CAB <input type="radio"/> DGAC <input type="radio"/> CAA of Israel <input type="radio"/> Other_____		
	設計國AD編號 Original AD number	2025-0129	
	1. 直接採用原AD之內容? (Is the original AD directly adopted?) <input checked="" type="radio"/> 是(Yes) <input type="radio"/> 否(No)_ a. 生效日期另訂為(Re-specify the effective date as): b. 執行時限另訂為(Re-specify the compliance time or period as): 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?) <input type="radio"/> 需要(Yes) <input checked="" type="radio"/> 不需要(No)		
備註 Note	This AD supersedes EASA AD 2025-0099(CAA-2025-05-002) dated 30 April 2025.		

註： 1. AD內容後附。

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。

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,

adcaa@mail.caa.gov.tw

Note： 1. The AD text is enclosed.

2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval.

3. For further information, please contact Civil Aviation Administration on Tel：(02)2349-6330 / 6332,

Fax：(02)2545-8464, adcaa@mail.caa.gov.tw



Airworthiness Directive

AD No.: 2025-0129

Issued: 05 June 2025

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:

AIRBUS S.A.S.

Type/Model designation(s):

A350 aeroplanes

Effective Date: 12 June 2025

TCDS Number(s): EASA.A.151

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2025-0099 dated 30 April 2025.

ATA 27 – Flight Controls – Flight Control Remote Module – Replacement

Manufacturer(s):

Airbus

Applicability:

Airbus A350-941 and A350-1041 aeroplanes, all manufacturer serial numbers (MSN).

Definitions:

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

The AOT: Airbus Alert Operators Transmission (AOT) A27P021-25 revision (rev.) 01.

Affected FCRM – type 1: Rudder Flight Control Remote Module (FCRM) and elevator FCRM, Part Number (P/N) CA71323-0XX (where 'XX' can be any numerical sequence), identified as 'affected unit' in the AOT, section 5.4.1 or 5.4.3.

Affected FCRM – type 2: FCRM P/N CA71323-0XX, identified as 'affected unit' in the AOT, section 5.4.2.

Where the AOT refers to 'the AOT effective date', 07 May 2025 [the effective date of EASA AD 2025-0099] must be used instead.



Affected FCRM – type 3: FCRM P/N CA71323-0XX, identified as ‘affected unit’ in the AOT, section 5.4.4. except those which, before the effective date of this AD, have been released to service after a maintenance shop visit.

These FCRMs are known to have been exposed to hydraulic fluid before aeroplane initial delivery.

Serviceable FCRM: FCRM P/N CA71323-0XX, which is new (never previously installed on any aeroplane); or which, since new or since the last maintenance shop visit, as applicable, has not been exposed to hydraulic fluid.

Groups: Group 1 aeroplanes are those that have an affected FCRM – type 1 installed. Group 2 aeroplanes are those that are not Group 1.

Reason:

An occurrence was reported of loss of control of an outboard aileron surface. Subsequent investigations determined that the electronic card of the FCRM of that aileron had been contaminated by hydraulic fluid.

Due to similarity of design, elevator and rudder FCRM could be subject to the same failure mode.

This condition, if not detected and corrected, could lead to runaway of rudder or elevator surface, possibly leading to loss of control of the aeroplane.

To address this potential unsafe condition, Airbus issued the AOT A27P021-25, original issue, providing instructions to replace FCRMs which have been exposed to hydraulic fluid contamination, and have not yet been replaced, and to prohibit swapping elevator and rudder FCRM with aileron and spoiler FCRM. EASA issued AD 2025-0099 to require replacement of certain FCRM and introduce additional maintenance requirements.

Since that AD was issued, it has been determined that certain servocontrols have been exposed to hydraulic contamination before delivery of the aeroplane to the first operator, and Airbus issued the AOT, as defined in this AD, providing instruction for replacement of the FCRM initially installed on those servocontrols. The AOT also provides updated instructions to manage hydraulic leak from certain servocontrols.

For the reason described above, this AD retains the requirements of EASA AD 2025-0099, which is superseded, and requires replacement of additional parts.

This AD is still considered an interim action, and further AD action may follow.

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:

Additional Maintenance Requirements:

- (1) For Group 1 and Group 2 aeroplanes: From 07 May 2025 [the effective date of EASA AD 2025-0099], do not swap any elevator FCRM or rudder FCRM with an aileron FCRM or spoiler FCRM.



- (2) For Group 1 and Group 2 aeroplanes: From 07 May 2025 [the effective date of EASA AD 2025-0099], if any hydraulic leak, as identified in Table 1 of this AD, is reported on an aeroplane, before next flight, replace the affected FCRM(s) – type 2 of that aeroplane, as identified in Table 1 of this AD, with serviceable FCRM in accordance with the instructions of the AOT (see Note 1 of this AD).

Table 1

Hydraulic leak location	Affected FCRM – type 2
Hydraulic leak <u>close to</u> Servocontrol functional item number (FIN) 1CY	FCRM FIN 201CY and FCRM FIN 202CY
Hydraulic leak <u>close to</u> Servocontrol FIN 2CY	FCRM FIN 202CY
Hydraulic leak <u>from</u> Servocontrol FIN 1CY	FCRM FIN 202CY
Hydraulic leak <u>close to</u> Servocontrol FIN 1CT1	FCRM FIN 201CT1
Hydraulic leak <u>close to</u> Servocontrol FIN 1CT2	FCRM FIN 201CT2

- (3) Concurrently with the replacement of the FCRM(s) of an aeroplane, as required by paragraph (2) of this AD, rectify the related hydraulic leak of that aeroplane. Using Airbus standard maintenance procedures, as referenced in the AOT, is an acceptable method to comply with this requirement (see Note 1 of this AD).

Note 1: The AOT includes updated instructions to rectify hydraulic leak from servocontrol FIN 1CY, 2CY, 1CT1 or 1CT2 of an aeroplane. Those updated instructions, which include provisions to defer a possible further replacement of the affected FCRM – type 2, are acceptable to comply with the requirements of paragraphs (2) and (3) of this AD, as applicable, for that aeroplane.

FCRM Replacement:

- (4) For Group 1 aeroplanes: Within 24 days after 07 May 2025 [the effective date of EASA AD 2025-0099], replace any affected FCRM - type 1 with a serviceable FCRM, in accordance with the instructions of the AOT (see Note 2 of this AD).

Note 2: Replacement of an affected FCRM - type 1 of an aeroplane with an affected FCRM - type 3, accomplished before the effective date of this AD, is acceptable to comply with the requirements of paragraph (4) of this AD, as applicable, for that aeroplane. Refer to paragraph (5) of this AD for additional applicable requirements.

- (5) For aeroplanes having an 'Affected FCRM – type 3' installed: Within 18 days after the effective date of this AD, replace any affected FCRM - type 3 with a serviceable FCRM, in accordance with the instructions of the AOT.

Part(s) Installation:

- (6) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, it is allowed to install on an aeroplane an elevator FCRM or a rudder FCRM, provided it is a serviceable FCRM, as defined in this AD.



- (7) For Group 1 and Group 2 aeroplanes: From the effective date of this AD, it is allowed to install on an aeroplane an elevator servocontrol or a rudder servocontrol, provided it is equipped with a serviceable FCRM, as defined in this AD.

Credit:

- (8) For Group 1 and Group 2 aeroplanes: Accomplishment of a maintenance task on an aeroplane, in accordance with the instructions of the AOT A27P021-25 original issue and before the effective date of this AD, is acceptable to comply with the requirements of paragraphs (2), (3), (4) of this AD, as applicable, for that aeroplane.

Ref. Publications:

Airbus AOT A27P021-25 original issue dated 30 April 2025 and revision 1 dated 04 June 2025.

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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication. All interested persons may send their comments, referencing the AD Number, to the E-mail address specified in below Remark 3, prior to 03 July 2025. Only if any comment is received during the consultation period, a Comment Response Document will be published in the [EASA Safety Publications Tool](#), in a 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.
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: AIRBUS A350 XWB (1IAK), E-mail: continued-airworthiness.a350@airbus.com.

