



## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2025-1112; Project Identifier MCAI-2025-00027-T]

RIN 2120-AA64

#### Airworthiness Directives; Airbus SAS Airplanes

**AGENCY:** Federal Aviation Administration (FAA), DOT.

**ACTION:** Notice of proposed rulemaking (NPRM).

**SUMMARY:** The FAA proposes to supersede Airworthiness Directive (AD) 2024-08-05, which applies to certain Airbus SAS Model A330-200 series, A330-200 Freighter series, A330-300 series, A330-841, and A330-941 airplanes. AD 2024-08-05 requires revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. Since the FAA issued AD 2024-08-05, the FAA has determined that additional new and more restrictive airworthiness limitations are necessary. This proposed AD would retain certain actions in AD 2024-08-05 until the existing maintenance or inspection program, as applicable, is revised to incorporate the new and more restrictive airworthiness limitations. The FAA is proposing this AD to address the unsafe condition on these products.

**DATES:** The FAA must receive comments on this proposed AD by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**ADDRESSES:** You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

- Federal eRulemaking Portal: Go to [regulations.gov](https://www.regulations.gov). Follow the instructions for submitting comments.
- Fax: 202-493-2251.

- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

- Hand Delivery: Deliver to Mail address above between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

*AD Docket:* You may examine the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2025-1112; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this NPRM, the mandatory continuing airworthiness information (MCAI), any comments received, and other information. The street address for Docket Operations is listed above.

*Material Incorporated by Reference:*

- For European Union Aviation Safety Agency (EASA) material identified in this proposed AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); website [easa.europa.eu](https://easa.europa.eu). You may find this material on the EASA website at [ad.easa.europa.eu](https://ad.easa.europa.eu). It is also available at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2025-1112.

- You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

**FOR FURTHER INFORMATION CONTACT:** Kin Suen Chan, Aviation Safety Engineer, FAA, 2200 South 216th St., Des Moines, WA 98198; phone: 312-203-5670; email: [Kin.Suen.Chan@faa.gov](mailto:Kin.Suen.Chan@faa.gov).

**SUPPLEMENTARY INFORMATION:**

**Comments Invited**

The FAA invites you to send any written relevant data, views, or arguments about this proposal. Send your comments to an address listed under the ADDRESSES section.

Include “Docket No. FAA-2025-1112; Project Identifier MCAI-2025-00027-T” at the beginning of your comments. The most helpful comments reference a specific portion of the proposal, explain the reason for any recommended change, and include supporting data. The FAA will consider all comments received by the closing date and may amend this proposal because of those comments.

Except for Confidential Business Information (CBI) as described in the following paragraph, and other information as described in 14 CFR 11.35, the FAA will post all comments received, without change, to regulations.gov, including any personal information you provide. The agency will also post a report summarizing each substantive verbal contact received about this NPRM.

### **Confidential Business Information**

CBI is commercial or financial information that is both customarily and actually treated as private by its owner. Under the Freedom of Information Act (FOIA) (5 U.S.C. 552), CBI is exempt from public disclosure. If your comments responsive to this NPRM contain commercial or financial information that is customarily treated as private, that you actually treat as private, and that is relevant or responsive to this NPRM, it is important that you clearly designate the submitted comments as CBI. Please mark each page of your submission containing CBI as “PROPIN.” The FAA will treat such marked submissions as confidential under the FOIA, and they will not be placed in the public docket of this NPRM. Submissions containing CBI should be sent to Kin Suen Chan, Aviation Safety Engineer, FAA, 2200 South 216th St., Des Moines, WA 98198; phone: 312-203-5670; email: Kin.Suen.Chan@faa.gov. Any commentary that the FAA receives that is not specifically designated as CBI will be placed in the public docket for this rulemaking.

## **Background**

The FAA issued AD 2024-08-05, Amendment 39-22738 (89 FR 50505, June 14, 2024) (AD 2024-08-05), for Airbus SAS Model A330-200 series, A330-200 Freighter series, A330-300 series, A330-841, and A330-941 airplanes with an original airworthiness certificate or original export certificate of airworthiness issued on or before October 2, 2023. AD 2024-08-05 was prompted by an MCAI originated by EASA, which is the Technical Agent for the Member States of the European Union. EASA issued AD 2023-0199, dated November 17, 2023 (EASA AD 2023-0199) to correct an unsafe condition identified as a safety-significant latent failure (that is not annunciated) that, in combination with one or more other specific failures or events, could result in hazardous or catastrophic failure condition. AD 2024-08-05 requires revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations.

## **Actions Since AD 2024-08-05 Was Issued**

Since the FAA issued AD 2024-08-05, EASA superseded AD 2023-0199 and issued EASA AD 2025-0012, dated January 13, 2025 (EASA AD 2025-0012) (referred to after this as “the MCAI”), for all Airbus SAS Model A330-200 series, A330-200 Freighter series, A330-300 series, A330-841, and A330-941 airplanes. The MCAI states that new and/or more restrictive airworthiness limitations for certification maintenance requirements (CMRs) related to the air cooling temperature control and pneumatic system have been developed.

Airplanes with an original airworthiness certificate or original export certificate of airworthiness issued after October 1, 2024, must comply with the new and more restrictive airworthiness limitations, as those airworthiness limitations are part of the approved type design and referenced on the type certificate data sheet; this proposed AD therefore does not include those airplanes in the applicability.

The FAA is proposing this AD to address a safety-significant latent failure (that is not annunciated) that, in combination with one or more other specific failures or events, could result in a hazardous or catastrophic failure condition. You may examine the MCAI in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2025-1112.

### **Material Incorporated by Reference Under 1 CFR Part 51**

The FAA reviewed EASA AD 2025-0012. This material specifies new and more restrictive airworthiness limitations for airplane structures.

This proposed AD would also require EASA AD 2023-0199, which the Director of the Federal Register approved for incorporation by reference as of July 19, 2024 (89 FR 50505, June 14, 2024).

This material is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

### **FAA's Determination**

This product has been approved by the aviation authority of another country and is approved for operation in the United States. Pursuant to the FAA's bilateral agreement with this State of Design Authority, it has notified the FAA of the unsafe condition described in the MCAI referenced above. The FAA is issuing this NPRM after determining that the unsafe condition described previously is likely to exist or develop in other products of the same type design.

### **Proposed AD Requirements in This NPRM**

This proposed AD would retain certain requirements of AD 2024-08-05 until the existing maintenance or inspection program, as applicable, is revised to incorporate the additional new and more restrictive airworthiness limitations, which are specified in EASA AD 2025-0012 already described, as proposed for incorporation by reference. Any

differences with EASA AD 2025-0012 are identified as exceptions in the regulatory text of this proposed AD.

This proposed AD would require revisions to certain operator maintenance documents to include new actions (e.g., inspections). Compliance with these actions is required by 14 CFR 91.403(c). For airplanes that have been previously modified, altered, or repaired in the areas addressed by this proposed AD, the operator may not be able to accomplish the actions described in the revisions. In this situation, to comply with 14 CFR 91.403(c), the operator must request approval for an alternative method of compliance (AMOC) according to paragraph (n)(1) of this proposed AD.

### **Other Relevant Rulemaking**

AD 2022-17-08, Amendment 39-22146 (87 FR 54865, September 8, 2022) (AD 2022-17-08) applies to Model A330-201, -202, -203, -223, 223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes and requires, among other actions, repetitive maintenance tasks and corrective actions for failures related to over-temperature conditions. Accomplishing the actions in paragraph (j) of this proposed AD would terminate those repetitive maintenance tasks and corrective actions, which are specified in paragraphs (4) through (7) of EASA AD 2021-0281, dated December 17, 2021, and required by paragraph (g) of AD 2022-17-08.

### **Explanation of Required Compliance Information**

In the FAA's ongoing efforts to improve the efficiency of the AD process, the FAA developed a process to use some civil aviation authority (CAA) ADs as the primary source of information for compliance with requirements for corresponding FAA ADs. The FAA has been coordinating this process with manufacturers and CAAs. As a result, the FAA proposes to retain the incorporation by reference (IBR) of EASA AD 2023-0199 and incorporate EASA AD 2025-0012 by reference in the FAA final rule. This proposed AD would, therefore, require compliance with EASA AD 2023-0199 and EASA AD

2025-0012 through that incorporation, except for any differences identified as exceptions in the regulatory text of this proposed AD. Using common terms that are the same as the heading of a particular section in EASA AD 2023-0199 or EASA AD 2025-0012 does not mean that operators need comply only with that section. For example, where the AD requirement refers to “all required actions and compliance times,” compliance with this proposed AD requirement is not limited to the section titled “Required Action(s) and Compliance Time(s)” in EASA AD 2023-0199 or EASA AD 2025-0012. Material required by EASA AD 2023-0199 and EASA AD 2025-0012 for compliance will be available at regulations.gov by searching for and locating Docket No. FAA-2025-1112 after the FAA final rule is published.

### **Airworthiness Limitation ADs Using the New Process**

The FAA’s process of incorporating by reference MCAI ADs as the primary source of information for compliance with corresponding FAA ADs has been limited to certain MCAI ADs (primarily those with service bulletins as the primary source of information for accomplishing the actions required by the FAA AD). However, the FAA is now expanding the process to include MCAI ADs that require a change to airworthiness limitation documents, such as airworthiness limitation sections.

For these ADs that incorporate by reference an MCAI AD that changes airworthiness limitations, the FAA requirements are unchanged. Operators must revise the existing maintenance or inspection program, as applicable, to incorporate the information specified in the new airworthiness limitation document. The airworthiness limitations must be followed according to 14 CFR 91.403(c) and 91.409(e).

The previous format of the airworthiness limitation ADs included a paragraph that specified that no alternative actions (e.g., inspections) or intervals may be used unless the actions and intervals are approved as an AMOC in accordance with the procedures specified in the AMOCs paragraph under “Additional AD Provisions.” This new format

includes a “New Provisions for Alternative Actions and Intervals” paragraph that does not specifically refer to AMOCs, but operators may still request an AMOC to use an alternative action or interval. Operators may not use alternative actions or intervals under 14 CFR 91.403(c).

### **Costs of Compliance**

The FAA estimates that this AD, if adopted as proposed, would affect 158 airplanes of U.S. registry. The FAA estimates the following costs to comply with this proposed AD:

The FAA estimates the cost per operator for the retained action from AD 2024-08-05 to be \$7,650 (90 work-hours x \$85 per work-hour).

The FAA has determined that revising the existing maintenance or inspection program takes an average of 90 work-hours per operator, although the agency recognizes that this number may vary from operator to operator. Since operators incorporate maintenance or inspection program changes for their affected fleet(s), the FAA has determined that a per-operator estimate is more accurate than a per-airplane estimate.

The FAA estimates the total cost per operator for the new proposed actions to be \$7,650 (90 work-hours x \$85 per work-hour).

### **Authority for This Rulemaking**

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency’s authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: General requirements. Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds

necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### **Regulatory Findings**

The FAA determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify this proposed regulation:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Would not affect intrastate aviation in Alaska, and
- (3) Would not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

### **List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### **The Proposed Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

#### **PART 39 - AIRWORTHINESS DIRECTIVES**

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

#### **§ 39.13 [Amended]**

2. The FAA amends § 39.13 by:

- a. Removing Airworthiness Directive (AD) 2024-08-05, Amendment 39-22738

(89 FR 50505, June 14, 2024); and

b. Adding the following new AD:

**Airbus SAS:** Docket No. FAA-2025-1112; Project Identifier MCAI-2025-00027-T.

**(a) Comments Due Date**

The FAA must receive comments on this airworthiness directive (AD) by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**(b) Affected ADs**

(1) This AD replaces AD 2024-08-05, Amendment 39-22738 (89 FR 50505, June 14, 2024) (AD 2024-08-05).

(2) This AD affects AD 2022-17-08, Amendment 39-22146 (87 FR 54865, September 8, 2022) (AD 2022-17-08).

**(c) Applicability**

This AD applies to Airbus SAS Model A330-201, -202, -203, -223, 223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, -343, -841, and -941 airplanes, certificated in any category, with an original airworthiness certificate or original export certificate of airworthiness issued on or before October 1, 2024.

**(d) Subject**

Air Transport Association (ATA) of America Code 05, Time Limits/Maintenance Checks.

**(e) Unsafe Condition**

This AD was prompted by a determination that new and more restrictive airworthiness limitations are necessary. The FAA is issuing this AD to address a safety-significant latent failure (that is not annunciated) that, in combination with one or more other specific failures or events, could result in hazardous or catastrophic failure condition.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Retained Revision of the Existing Maintenance or Inspection Program, With a New Terminating Action**

This paragraph restates the requirements of paragraph (p) of AD 2024-08-05, with a new terminating action. For airplanes with an original airworthiness certificate or original export certificate of airworthiness issued on or before October 2, 2023: Except as specified in paragraph (h) of this AD, comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2023-0199, dated November 17, 2023 (EASA AD 2023-0199).

Accomplishing the revision of the existing maintenance or inspection program required by paragraph (j) of this AD terminates the requirements of this paragraph.

**(h) Retained Exceptions to EASA AD 2023-0199, With No Changes**

This paragraph restates the requirements of paragraph (q) of AD 2024-08-05, with no changes.

(1) This AD does not adopt the requirements specified in paragraphs (1) and (2) of EASA AD 2023-0199.

(2) Paragraph (3) of EASA AD 2023-0199 specifies revising “the AMP” within 12 months after its effective date, but this AD requires revising the existing maintenance or inspection program, as applicable, within 90 days after July 19, 2024 (the effective date of AD 2024-08-05).

(3) The initial compliance time for doing the tasks specified in paragraph (3) of EASA AD 2023-0199 is at the applicable “associated thresholds” as incorporated by the requirements of paragraph (3) of EASA AD 2023-0199, or within 90 days after July 19, 2024 (the effective date of AD 2024-08-05), whichever occurs later.

(4) This AD does not adopt the provisions specified in paragraphs (4) and (5) of EASA AD 2023-0199.

(5) This AD does not adopt the “Remarks” section of EASA AD 2023-0199.

(6) Where the service information referenced in EASA AD 2023-0199 specifies the compliance time for tasks 282400-G0001-1-C and 282400-P0001-1-C as “24 Months from the Effective Date of the EASA Airworthiness Directive that is expected to be issued to mandate this change, without exceeding the current 29,000 FH,” this AD requires using within 24 months after July 19, 2024 (the effective date of AD 2024-08-05), without exceeding the current 29,000 flight hour interval.

**(i) Retained Provisions on Alternative Actions and Intervals, With a New Exception**

This paragraph restates the requirements of paragraph (r) of AD 2024-08-05, with a new exception. Except as required by paragraph (j) of this AD, after the existing maintenance or inspection program has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections) and intervals are allowed unless they are approved as specified in the provisions of the “Ref. Publications” section of EASA AD 2023-0199.

**(j) New Revision of the Existing Maintenance or Inspection Program**

Except as specified in paragraph (k) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, EASA AD 2025-0012, dated January 13, 2025 (EASA AD 2025-0012). Accomplishing the revision of the existing maintenance or inspection program required by this paragraph terminates the requirements of paragraphs (g) of this AD.

**(k) Exceptions to EASA AD 2025-0012**

(1) This AD does not adopt paragraphs (1), (2), (4), and (5) of EASA AD 2025-0012.

(2) Where paragraph (3) of EASA AD 2025-0012 specifies revising “the AMP” within 12 months after its effective date, this AD requires revising the existing

maintenance or inspection program, as applicable, within 90 days after the effective date of this AD.

(3) The initial compliance time for doing the tasks specified in paragraph (3) of EASA AD 2025-0012 is at the applicable “associated thresholds” as incorporated by the requirements of paragraph (3) of EASA AD 2025-0012, or within 90 days after the effective date of this AD, whichever occurs later.

(4) This AD does not adopt the “Remarks” section of EASA AD 2025-0012.

(5) Where the Compliance Time column of the table in the service information referenced in EASA AD 2025-0012 refers to “01 December 2025 (Corresponding to the 24 Months from the Effective Date of the EASA Airworthiness Directive No.: 2023-0199), without exceeding the current 29 000 FH,” this AD requires using within 24 months after July 19, 2024 (the effective date of AD 2024-08-05), without exceeding the current 29,000 flight hour interval.

(6) Where the Compliance Time column of the table in the material referenced in EASA AD 2025-0012 refers to “the Effective Date of the EASA Airworthiness Directive that is expected to be issued to mandate these changes,” this AD requires using the effective date of this AD.

#### **(l) New Provisions for Alternative Actions and Intervals**

After the existing maintenance or inspection program has been revised as required by paragraph (j) of this AD, no alternative actions (e.g., inspections) and intervals are allowed unless they are approved as specified in the “Ref. Publications” section of EASA AD 2025-0012.

#### **(m) Terminating Action for AD 2022-17-08**

For Model A330-330-201, -202, -203, -223, 223F, -243, -243F, -301, -302, -303, -321, -322, -323, -341, -342, and -343 airplanes: Accomplishing the actions required by paragraph (j) of this AD terminates the provisions in paragraphs (4) through (7) of EASA

AD 2021-0281, dated December 17, 2021, that are required by paragraph (g) of AD 2022-17-08.

**(n) Additional AD Provisions**

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, AIR-520, Continued Operational Safety Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or responsible Flight Standards Office, as appropriate. If sending information directly to the manager of AIR-520, Continued Operational Safety Branch, send it to the attention of the person identified in paragraph (o) of this AD and email to: AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) *Contacting the Manufacturer*: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, AIR-520, Continued Operational Safety Branch, FAA; or EASA; or Airbus SAS's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

**(o) Additional Information**

For more information about this AD, contact Kin Suen Chan, Aviation Safety Engineer, FAA, 2200 South 216th St., Des Moines, WA 98198; phone: 312-203-5670; email: Kin.Suen.Chan@faa.gov.

**(p) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference of the material (IBR) listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this material as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(3) The following material was approved for IBR on [DATE 35 DAYS AFTER PUBLICATION OF THE FINAL RULE].

(i) European Union Aviation Safety Agency (EASA) AD 2025-0012, dated January 13, 2025.

(ii) [Reserved]

(4) The following material was approved for IBR on July 19, 2024 (89 FR 50505, June 14, 2024).

(i) EASA AD 2023-0199, dated November 17, 2023.

(ii) [Reserved]

(5) For EASA material identified in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); website [easa.europa.eu](http://easa.europa.eu). You may find this material on the EASA website at [ad.easa.europa.eu](http://ad.easa.europa.eu).

(6) You may view this material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(7) You may view this material at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA,

visit [www.archives.gov/federal-register/cfr/ibr-locations](http://www.archives.gov/federal-register/cfr/ibr-locations) or email

[fr.inspection@nara.gov](mailto:fr.inspection@nara.gov).

Issued on June 18, 2025.

Peter A. White,  
Deputy Director, Integrated Certificate Management Division,  
Aircraft Certification Service.  
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