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## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

**[Docket No. FAA-2018-0364; Product Identifier 2017-NM-154-AD; Amendment 39-19398; AD 2018-18-19]**

**RIN 2120-AA64**

#### **Airworthiness Directives; Airbus SAS Airplanes**

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

**ACTION:** Final rule.

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**SUMMARY:** We are adopting a new airworthiness directive (AD) for all Airbus SAS Model A300 and A310 series airplanes; and Model A300 B4-600, B4-600R, and F4-600R series airplanes, and Model A300 C4-605R Variant F airplanes (collectively called Model A300-600 series airplanes). This AD was prompted by a determination that new or more restrictive maintenance requirements and airworthiness limitations are necessary. This AD requires revising the maintenance or inspection program, as applicable, to incorporate new or more restrictive maintenance requirements and airworthiness limitations. We are issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective October 23, 2018.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of October 23, 2018.

**ADDRESSES:** For service information identified in this final rule, contact Airbus SAS, Airworthiness Office–EAW, Rond-Point Emile Dewoitine No: 2, 31700 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 44 51; email [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com); internet <http://www.airbus.com>. You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0364.

#### **Examining the AD Docket**

You may examine the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0364; 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 final rule, the

regulatory evaluation, any comments received, and other information. The address for Docket Operations (phone: 800-647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

**FOR FURTHER INFORMATION CONTACT:** Dan Rodina, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3225.

## **SUPPLEMENTARY INFORMATION:**

### **Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to all Airbus SAS Model A300 and A310 series airplanes; and Model A300 B4-600, B4-600R, and F4-600R series airplanes, and Model A300 C4-605R Variant F airplanes (collectively called Model A300-600 series airplanes). The NPRM published in the Federal Register on May 14, 2018 (83 FR 22219). The NPRM was prompted by a determination that new or more restrictive maintenance requirements and airworthiness limitations are necessary. The NPRM proposed to require revising the maintenance or inspection program, as applicable, to incorporate new or more restrictive maintenance requirements and airworthiness limitations. We are issuing this AD to prevent fatigue damage in principal structural elements, which could result in reduced structural integrity of the airplane.

The European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Union, has issued EASA AD 2017-0204, dated October 12, 2017 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for all Airbus SAS Model A300 and A310 series airplanes; and Model A300 B4-600, B4-600R, and F4-600R series airplanes, and Model A300 C4-605R Variant F airplanes (collectively called Model A300-600 series airplanes). The MCAI states:

The airworthiness limitations for the Airbus A300, A310, A300-600 and A300-600ST family aeroplanes, which are approved by EASA, are currently defined and published in the Airbus A300, A310 and A300-600 Airworthiness Limitations Section (ALS) documents. The Safe Life Airworthiness Limitation Items are specified in the A300, A310 and A300-600 (including the A300-600ST) ALS Part 1 documents. These instructions have been identified as mandatory for continuing airworthiness.

Failure to accomplish these instructions could result in an unsafe condition.

EASA previously issued AD 2013-0248 [which corresponds to FAA AD 2015-22-05, Amendment 39-18310 (80 FR 69846, November 12, 2015) (“AD 2015-22-05”)] to require the implementation of the instructions and airworthiness limitations as specified in Airbus A300, A310 and A300-600 ALS Part 1 documents at Revision 01.

Since that [EASA] AD was issued, improvement of safe life component selection and life extension campaigns resulted in life limitations changes, among others new or more restrictive life limitations, approved by EASA. Consequently, Airbus published Revision 02 of the A300, A310 and A300-600 ALS Part 1, compiling all ALS Part 1 changes approved since previous Revision 01.

For the reason described above, this [EASA] AD retains the requirements of EASA AD 2013-0248, which is superseded, and requires accomplishment of the actions

specified in A300 ALS Part 1 Revision 02, A310 ALS Part 1 Revision 02 and A300-600 ALS Part 1 Revision 02.

This AD requires revising the maintenance or inspection program to incorporate certain maintenance requirements and airworthiness limitations. The unsafe condition is fatigue damage in principal structural elements, which could result in reduced structural integrity of the airplane. You may examine the MCAI in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0364.

## **Comments**

We gave the public the opportunity to participate in developing this final rule. The following presents the comments received on the NPRM and the FAA's response to each comment.

### **Request To Remove Duplicated Language**

Airbus asked that we remove the duplicated language in the Discussion section of the NPRM which repeats the phrase “compiling all ALS Part 1.”

We agree that the specified language in the Discussion section was duplicated, and have removed this duplication accordingly.

### **Request To Release Related ADs at the Same Time**

Airbus requested in docket numbers, FAA-2018-0390 and FAA-2018-0365 that we release this final rule and the following related ADs at the same time to provide clarity to operators. All four pending ADs are related to the same removal of 15 nose landing gear parts from ALS Part 1, on different airplane models.

- Docket No. FAA-2018-0390, Product Identifier 2017-NM-130-AD (EASA AD 2017-0145, dated August 31, 2017).
- Docket No. FAA-2018-0365, Product Identifier 2017-NM-155-AD (EASA AD 2017-0203, dated October 12, 2017).
- Docket No. FAA-2018-0396, Product Identifier 2017-NM-156-AD (EASA AD 2017-0202, dated October 12, 2017).

We agree with the request insofar as we can control the publication schedule. While we cannot ensure that all four will be published on the same date, we will coordinate with the Office of the Federal Register (OFR) and attempt to issue all four final rules at the same time.

## **Conclusion**

We reviewed the relevant data, considered the comments received, and determined that air safety and the public interest require adopting this final rule as proposed, except for minor editorial changes. We have determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for addressing the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

### **Related Service Information Under 1 CFR Part 51**

Airbus SAS has issued the following service information, which describes procedures for revising the maintenance or inspection program to incorporate new or more restrictive maintenance

requirements and airworthiness limitations. These documents are distinct since they apply to different airplane models.

- For Model A300 series airplanes: Section 4, “Life Limits (LL)/Demonstrated Fatigue Lives (DF),” of Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus Model A300 Airworthiness Limitations Section (ALS).
- For Model A300 B4-600, B4-600R, and F4-600R series airplanes, and Model A300 C4-605R Variant F airplanes (collectively called Model A300-600 series airplanes): Section 4, “Life Limits (LL)/Demonstrated Fatigue Lives (DF),” of Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus Model A300-600 Airworthiness Limitations Section (ALS).
- For Model A310 series airplanes: Section 4, “Life Limits (LL)/Demonstrated Fatigue Lives (DF),” of Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus Model A310 Airworthiness Limitations Section (ALS).

This service information 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.

### **Costs of Compliance**

We estimate that this AD affects 132 airplanes of U.S. registry.

We estimate the following costs to comply with this AD:

We have determined that revising the maintenance or inspection program takes an average of 90 work-hours per operator, although we recognize that this number may vary from operator to operator. In the past, we have estimated that this action takes 1 work-hour per airplane. Since operators incorporate maintenance or inspection program changes for their affected fleet(s), we have determined that a per-operator estimate is more accurate than a per-airplane estimate. Therefore, we estimate the total cost per operator 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.

We are 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.

This AD is issued in accordance with authority delegated by the Executive Director, Aircraft Certification Service, as authorized by FAA Order 8000.51C. In accordance with that order, issuance of ADs is normally a function of the Compliance and Airworthiness Division, but during this transition period, the Executive Director has delegated the authority to issue ADs applicable to transport category airplanes and associated appliances to the Director of the System Oversight Division.

### **Regulatory Findings**

This AD will not have federalism implications under Executive Order 13132. This AD will 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 that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979),
- (3) Will not affect intrastate aviation in Alaska, and
- (4) Will 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.

### **Adoption of the Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 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 adding the following new airworthiness directive (AD):



**FAA**  
**Aviation Safety**

## **AIRWORTHINESS DIRECTIVE**

[www.faa.gov/aircraft/safety/alerts/](http://www.faa.gov/aircraft/safety/alerts/)  
[www.gpoaccess.gov/fr/advanced.html](http://www.gpoaccess.gov/fr/advanced.html)

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**2018-18-19 Airbus SAS:** Amendment 39-19398; Docket No. FAA-2018-0364; Product Identifier 2017-NM-154-AD.

### **(a) Effective Date**

This AD is effective October 23, 2018.

### **(b) Affected ADs**

This AD affects AD 2015-22-05, Amendment 39-18310 (80 FR 69846, November 12, 2015) (“AD 2015-22-05”).

### **(c) Applicability**

This AD applies to Airbus SAS Model A300 B2-1A, B2-1C, B2K-3C, B2-203, B4-2C, B4-103, and B4-203 airplanes; Model A300 B4-601, B4-603, B4-620, and B4-622 airplanes; Model A300 B4-605R and B4-622R airplanes; Model A300 F4-605R and F4-622R airplanes; Model A300 C4-605R Variant F airplanes; and Model A310-203, -204, -221, -222, -304, -322, -324, and -325 airplanes; certificated in any category, all manufacturer serial numbers.

### **(d) Subject**

Air Transport Association (ATA) of America Code 05, Time limits/maintenance checks.

### **(e) Reason**

This AD was prompted by a determination that new or more restrictive maintenance requirements and airworthiness limitations are necessary. We are issuing this AD to prevent fatigue damage in principal structural elements, which could result in reduced structural integrity of the airplane.

### **(f) Compliance**

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

### **(g) Maintenance or Inspection Program Revision**

Within 90 days after the effective date of this AD: Revise the maintenance or inspection program, as applicable, to incorporate the applicable information specified in paragraph (g)(1), (g)(2), or (g)(3) of this AD, as applicable. The initial compliance times for accomplishing the tasks is at the applicable times specified in the applicable information specified in paragraph (g)(1), (g)(2), or (g)(3) of this AD, or within 90 days after the effective date of this AD, whichever occurs later.

(1) For Model A300 series airplanes: Section 4, “Life Limits (LL)/Demonstrated Fatigue Lives (DF),” of Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus A300 Airworthiness Limitations Section (ALS).

(2) For Model A300 B4-600, B4-600R, and F4-600R series airplanes, and Model A300 C4-605R Variant F airplanes (collectively called Model A300-600 series airplanes): Section 4, “Life Limits (LL)/Demonstrated Fatigue Lives (DF),” of Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus A300-600 Airworthiness Limitations Section (ALS).

(3) For Model A310 series airplanes: Section 4, “Life Limits (LL)/Demonstrated Fatigue Lives (DF),” of Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus A310 Airworthiness Limitations Section (ALS).

#### **(h) No Alternative Actions or Intervals**

After accomplishment of the revision required by paragraph (g) of this AD, no alternative actions (e.g., inspections) or intervals may be used unless the actions or intervals are approved as an alternative method of compliance (AMOC) in accordance with the procedures specified in paragraph (j)(1) of this AD.

#### **(i) Terminating Action**

Accomplishing the actions required by paragraph (g) of this AD terminates all requirements of AD 2015-22-05.

#### **(j) Other FAA AD Provisions**

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Section, Transport Standards 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 local Flight Standards District Office, as appropriate. If sending information directly to the International Section, send it to the attention of the person identified in paragraph (k)(2) of this AD. Information may be emailed to: 9-ANM-116-AMOC-REQUESTS@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

(2) Contacting the Manufacturer: For any requirement in this AD to obtain corrective actions from a manufacturer, the action must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or the European Aviation Safety Agency (EASA); or Airbus SAS's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

#### **(k) Related Information**

(1) Refer to Mandatory Continuing Airworthiness Information (MCAI) EASA AD 2017-0204, dated October 12, 2017, for related information. This MCAI may be found in the AD docket on the internet at <http://www.regulations.gov> by searching for and locating Docket No. FAA-2018-0364.

(2) For more information about this AD, contact Dan Rodina, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3225.

## **(I) Material Incorporated by Reference**

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

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

(i) Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus Model A300 Airworthiness Limitations Section (ALS).

(ii) Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus Model A300-600 Airworthiness Limitations Section (ALS).

(iii) Part 1, “Safe Life Airworthiness Limitation Items (SL–ALI),” Revision 02, dated August 28, 2017, of the Airbus Model A310 Airworthiness Limitations Section (ALS).

(3) For service information identified in this AD, contact Airbus SAS, Airworthiness Office–EAW, Rond-Point Emile Dewoitine No: 2, 31700 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 44 51; email [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com); internet <http://www.airbus.com>.

(4) You may view this service information at the FAA, Transport Standards Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on August 30, 2018.

Jeffrey E. Duven,  
Director, System Oversight Division,  
Aircraft Certification Service.