
DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39


RIN 2120–AA64

Airworthiness Directives; Airbus Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to supersede Airworthiness Directive (AD) 2004–19–11 for certain Airbus Model 320 series airplanes. AD 2004–19–11 currently requires modification of the inner rear spar web of the wing, cold expansion of the attachment holes of the forward pintle fitting and the actuating cylinder anchorage of the main landing gear (MLG), repetitive ultrasonic inspections for cracking of the rear spar of the wing, and corrective action if necessary. AD 2004–19–11 also provides optional terminating action for the repetitive inspections. Since we issued AD 2004–19–11, we have determined that the terminating action is necessary to address the unsafe condition.

We propose this AD to prevent fatigue cracking of the inner rear spar, which may lead to reduced structural integrity of the wing and the MLG.

DATES: We must receive comments on this proposed AD by January 11, 2016.

ADDRESSES: You may send comments by any of the following methods:

- Hand Delivery: U.S. Department of Transportation, Docket Operations, M–30, 1200 New Jersey Avenue SE., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this proposed AD, contact Airbus, Airworthiness Office—EIAS, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 44 51; email account.airworth-eas@airbus.com; Internet http://www.airbus.com. You may view this referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425–227–1221.

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–2015–5811; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the regulatory evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone 800–647–5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.


SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to send any written relevant data, views, or arguments about this proposed AD. Send your comments to an address under the ADDRESSES section. Include “Docket No. FAA–2015–5811; Directorate Identifier 2014–NM–158–AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD based on those comments.

We will post all comments we receive, without change, to http://www.regulations.gov, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

Discussion


Since we issued AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004), we have determined that the modification of the inner rear spar that is an optional terminating action of AD 2004–19–11 must be accomplished in order to address the identified unsafe condition.

As described in FAA Advisory Circular 120–104 (http://www.faa.gov/documentLibrary/media/Advisory_Circular/120–104.pdf), several programs have been developed to support initiatives that will ensure the continued airworthiness of aging airplane structure. The last element of those initiatives is the requirement to establish a limit of validity (LOV) of the engineering data that support the structural maintenance program under 14 CFR 26.21. This proposed AD is the result of an assessment of the previously established programs by the design approval holder (DAH). The actions specified in this proposed AD are necessary to complete certain programs to ensure the continued airworthiness of aging airplane structure and to support an airplane reaching its LOV.

The European Aviation Safety Agency, which is the Technical Agent for the Member States of the European Union, has issued EASA Airworthiness Directive 2014–0169, corrected July 22, 2014 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition on certain Airbus Model A320 series airplanes. The MCAI states:

During centre fuselage certification full scale fatigue test, cracks were found on the
inner rear spar at holes position 52 on the right hand wing due to fatigue aspects.

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

To prevent such cracks, Airbus developed modifications, which were introduced in production and in service through several Airbus Service Bulletins (SB). DGAC France issued * * * [an earlier AD], which was subsequently superseded by [DGAC] AD 2001–249 [which corresponds with FAA AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004)], to require modification of the rear spar on some aeroplanes, post-modification repetitive inspections and, depending on findings, accomplishment of a repair. DGAC France AD 2001–249 also specified that modification in accordance with Airbus SB A320–57–1089 (in-service equivalent to Airbus mod 24591) constituted (optional) terminating action for the repetitive inspections.

Since that [DGAC] AD [2001–249] was issued, in the framework of the A320 Extended Service Goal (ESG), it has been determined that Airbus mod 24591 is necessary to allow aeroplanes to operate up to the new ESG limit.

For the reasons described above, this [EASA] AD retains the requirements of DGAC France AD 2001–249, which is superseded, and requires modification of all pre-mod 24591 aeroplanes.

The modification includes modifying all specified fastener holes in the inner rear spar of the wing. 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–2015–5811.

Related Service Information Under 1 CFR part 51

Airbus has issued the following service information.

- Airbus Service Bulletin A320–57–1004, Revision 02, dated June 14, 1993. This service information describes procedures for modifying the inner rear spar web of the wing.
- Airbus Service Bulletin A320–57–1060, Revision 2, dated December 16, 1994. This service information describes procedures for a cold expansion of all the attachment holes for the forward pintle fitting of the main landing gear (MLG), except for the holes that are for taper-lok bolts; and for a cold expansion of the holes at the actuating cylinder anchorage of the MLG.
- Airbus Mandatory Service Bulletin A320–57–1088, Revision 04, dated August 6, 2001. This service information describes procedures for doing ultrasonic inspections for cracking of the rear spar of the wing.
- Airbus Service Bulletin A320–57–1089, Revision 03, dated February 9, 2001. This information describes modification of the airplane by accomplishing cold reexpansion of the holes in the inner rear spar for the attachment of gear rib 5, forward pintle fitting, and actuating cylinder anchorage; and the installation of interference fit fasteners in the rear spar and gear rib 5.

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 of this NPRM.

FAA’s Determination and Requirements of This Proposed AD

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with the State of Design Authority, we have been notified of the unsafe condition described in the MCAI and service information referenced above. We are proposing this AD because we evaluated all pertinent information and determined an unsafe condition exists and is likely to exist or develop on other products of the same type design.

Costs of Compliance

We estimate that this proposed AD affects 84 airplanes of U.S. registry. The actions required by AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004), and retained in this proposed AD take about 684 work-hours per product, at an average labor rate of $85 per work-hour. Required parts cost about $13,644 per product. Based on these figures, the estimated cost of the actions that are required by AD 2004–19–11 is $71,784 per product.

We also estimate that it would take about 980 work-hours per product to comply with the basic requirements of this proposed AD. The average labor rate is $85 per work-hour. Required parts would cost about $32,727 per product. Based on these figures, we estimate the cost of this proposed AD on U.S. operators to be $9,746,268, or $116,027 per product.

We have received no definitive data that would enable us to provide cost estimates for the on-condition actions specified in this proposed AD.

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.

Regulatory Findings

We 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. 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.

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 removing Airworthiness Directive (AD) 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004), and adding the following new AD:


(a) Comments Due Date

We must receive comments by January 11, 2016.
(b) Affected ADs
This AD replaces AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2014).

(c) Applicability
This AD applies to Airbus Model A320–211, –212, –214, –231, –232, and –233 airplanes, certificated in any category, all manufacturer serial numbers, except those on which Airbus modification (mod) 24591 has been embodied in production.

(d) Subject
Air Transport Association (ATA) of America Code 57, Wings.

(e) Reason
This AD was prompted by reports of fatigue cracking of the inner rear spar of the wing and also by the determination that the modification of the inner rear spar is necessary to address the unsafe condition. We are issuing this AD to prevent fatigue cracking of the inner rear spar, which may lead to reduced structural integrity of the wing and the main landing gear (MLG).

(f) Compliance
Comply with this AD within the compliance times specified, unless already done.

(g) Retained Modification of Inner Rear Spar Web of the Wing, With Change to Acceptable Service Information
This paragraph restates the requirements of paragraph (b) of AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004), with a change to acceptable service information. For airplanes having MSNs 002 through 051 inclusive, except airplanes modified as specified in Airbus Service Bulletin A320–57–1089, dated December 22, 1996; Revision 01, dated April 17, 1997; Revision 02, dated November 6, 1998; or Revision 03, dated February 9, 2001: Prior to the accumulation of 12,000 total flight cycles, or within 2,000 flight cycles after February 14, 1994 (the effective date of AD 93–25–13, Amendment 39–8777 (59 FR 1903, January 13, 1994)), whichever occurs later, accomplish the requirements of paragraphs (h)(1) and (h)(2) of this AD in accordance with Airbus Service Bulletin A320–57–1089, dated December 8, 1992; Revision 1, dated April 26, 1993; or Revision 2, dated December 16, 1994. As of the effective date of this AD, only Airbus Service Bulletin A320–57–1060, Revision 2, dated December 16, 1994, may be used for the actions required by this paragraph.

(h) Retained Cold Expansion of Holes at Forward Pintle Fitting and Actuating Cylinder Anchorage of the Main Landing Gear, With Change to Acceptable Service Information
This paragraph restates the requirements of paragraph (b) of AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004), with a change to acceptable service information. For airplanes having MSNs 002 through 051 inclusive, except airplanes modified as specified in Airbus Service Bulletin A320–57–1089, dated December 22, 1996; Revision 01, dated April 17, 1997; Revision 02, dated November 6, 1998; or Revision 03, dated February 9, 2001: Prior to the accumulation of 12,000 total flight cycles, or within 2,000 flight cycles after February 14, 1994 (the effective date of AD 93–25–13, Amendment 39–8777 (59 FR 1903, January 13, 1994)), whichever occurs later, modify the inner rear spar of the wing, in accordance with Airbus Service Bulletin A320–57–1089, Revision 04, dated August 6, 2001, for the repetitive inspections required by paragraph (i)(1) of this AD.

(i) Retained Corrective Action for Inspections Required by Paragraphs (i)(1) and (i)(2) of This AD, With Specific Delegation Approval Language.
This paragraph restates the requirements of paragraph (f) of AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004), with specific delegation approval language. If any crack is found during any inspection required by paragraph (i)(1) or (i)(2) of this AD: Before further flight, repair in accordance with a method approved by either the Manager, International Branch, ANM–116, FAA, Transport Airplane Directorate; or the Direction Générale de l’Aviation Civile (or its delegated agent); or the European Aviation Safety Agency (EASA); or Airbus’s EASA Design Organization Approval (DOA). Accomplishment of a repair as required by this paragraph does not constitute terminating action for the repetitive inspections required by paragraph (i)(2) of this AD.

(j) New Requirement of This AD: Modification of Inner Rear Spar
Before exceeding 48,000 flight cycles or 96,000 flight hours, whichever occurs first since first flight of the airplane: modify all specified fastener holes in the inner rear spar of the wing, in accordance with the Accomplishment Instructions of Airbus Service Bulletin A320–57–1089, Revision 03, dated February 9, 2001; except where Airbus Service Bulletin A320–57–1089, Revision 03, dated February 9, 2001, specifies to contact Airbus for certain conditions, before further flight, repair using a method approved by the
Manager, International Branch, ANM–116, Transport Airplane Directorate, FAA; or EASA; or Airbus’s EASA DOA.

Modification of all specified fastener holes in the rear spar of the wing terminates the initial and repetitive inspections required by paragraphs (i)(1) and (i)(2) of this AD. If the modification is done both before the airplane accumulates 12,000 total flight cycles and before the effective date of this AD, the modification also terminates the actions required by paragraphs (g) and (h) of this AD.

(i) Credit for Previous Actions

(1) This paragraph provides credit for actions required by paragraph (i) of this AD, if those actions were performed before the effective date of this AD using Airbus Service Bulletin A320–57–1088, Revision 02, dated July 29, 1999; or Revision 03, dated February 9, 2001, which are not incorporated by reference in this AD.

(2) This paragraph provides credit for actions required by paragraph (k) of this AD, if those actions were performed before the effective date of this AD using Airbus Service Bulletin A320–57–1089, Revision 02, dated November 6, 1998, which is not incorporated by reference in this AD.

(m) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Branch, ANM–116, Transport Airplane Directorate, 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 Branch, send it to ATTN: Sanjay Kalhan, Aerospace Engineer, International Branch, ANM–116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057–3356; telephone 425–227–1405; fax 425–227–1149. Information may be emailed to: 9-AMN-116-AMOC-REQUESTS@faa.gov.

(ii) AMOCs approved previously in accordance with AD 2004–19–11, Amendment 39–13805 (69 FR 58828, October 1, 2004), are approved as AMOCs for the corresponding provisions of paragraphs (g) through (j) of this AD.

(2) Contacting the Manufacturer: As of the effective date of this AD, 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 Branch, ANM–116, Transport Airplane Directorate, FAA; or the European Aviation Safety Agency (EASA); or Airbus’s EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

(n) Related Information


(2) For service information identified in this AD, contact Airbus, Airworthiness Office—ELIAS, 1 Rond Point Maurice Bellonte, 31707 Blagnac Cedex, France; telephone +33 5 61 93 36 96; fax +33 5 61 93 44 51; email account.airworth-eas@airbus.com; Internet http://www.airbus.com. You may view this service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425–227–1221. Issued in Renton, Washington, on November 17, 2015.

Jeffrey E. Duven,
Manager, Transport Airplane Directorate, Aircraft Certification Service.

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 71


RIN 2120–AA66

Proposed Amendment of Class C Airspace; Capital Region International Airport, MI

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: This action proposes to modify Class C airspace at Capital Region International Airport, formerly Lansing Capital City Airport, Lansing, MI, by removing a cutout from the surface area that was put in place to accommodate operations around Davis Airport, now permanently closed. Also, this proposal would update the airport’s name and geographic coordinates to reflect the current information in the FAA’s aeronautical database. The FAA is proposing this action to enable more efficient operations at Capital Region International Airport.

DATES: Comments must be received on or before January 26, 2016.

ADDRESSES: Send comments on this proposal to the U.S. Department of Transportation, Docket Operations, M–30, 1200 New Jersey Avenue SE., West Building Ground Floor, Room W12–140, Washington, DC 20590–0001; telephone: (202) 366–9826. You must identify FAA Docket No. FAA–2015–4452 and Airspace Docket No. 15–AWA–7 at the beginning of your comments. You may also submit comments through the Internet at http://www.regulations.gov. You may review the public docket containing the proposal, any comments received, and any final disposition in person in the Dockets Office between 9:00 a.m. and 5:00 p.m., Monday through Friday, except Federal holidays. The Docket Office (telephone 1–800–647–5527), is on the ground floor of the building at the above address.

FAA Order 7400.9Z, Airspace Designations and Reporting Points, and subsequent amendments can be viewed online at http://www.faa.gov/air_traffic/publications/. For further information, you can contact the Airspace Policy Group, Federal Aviation Administration, 800 Independence Avenue SW., Washington, DC, 20591; telephone: (202) 267–8783. The Order is also available for inspection 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/code_of_federal_regulations/ibr_locations.html.

FAA Order 7400.9, Airspace Designations and Reporting Points, is published yearly and effective on September 15.


SUPPLEMENTARY INFORMATION:

Authority for This Rulemaking

The FAA’s authority to issue rules regarding aviation safety is found in Title 49 of the United States Code. 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. This rulemaking is promulgated under the authority described in Subtitle VII, Part A, Subsection I, Section 401. In this section, the FAA is charged with prescribing regulations to assign the use