

(3) 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 adding the following new airworthiness directive (AD):

Robinson Helicopter Company: Docket No. FAA–2019–1053; Product Identifier 2018–SW–037–AD.

(a) Comments Due Date

The FAA must receive comments by January 31, 2020.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Robinson Helicopter Company Model R44 and R44 II helicopters, certificated in any category, with an agricultural spray system installed by Supplemental Type Certificate (STC) SR00286BO with spray systems serial-numbered 0045 through 0178 inclusive, installed.

Note 1 to paragraph (c) of this AD: STC SR00286BO approves the installation of Simplex Manufacturing Company Model 244 spray system (spray system). Earlier models of this system have a metal flanged fitting that is not affected by this AD.

(d) Subject

Joint Aircraft Service Component (JASC) Code: 2551, Agricultural Spray System.

(e) Unsafe Condition

This AD was prompted by a report of an in-flight failure of the spray system elbow pump fitting (pump fitting). The FAA is issuing this AD to prevent failure of the pump fitting, which could result in an in-flight engine shutdown.

(f) Compliance

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

(g) Required Actions

(1) Before further flight, and thereafter before each flight, visually inspect the spray

system pump fitting for signs of stress, cracking, fatigue, and evidence of leaking by following the Accomplishment Instructions, paragraphs 1. through 4., of Simplex Mfg Alert Service Bulletin ASB2017–001, Initial Release, dated March 28, 2017 (ASB2017–001). If there is any sign of stress, cracking, fatigue, or evidence of leaking, before further flight, accomplish paragraph (g)(2) of this AD.

(2) Within 3 months, unless required before further flight by paragraph (g)(1) of this AD:

(i) Replace spray system pump fitting P/N P–58–0752–40 with fitting P/N 000–123847–000 and install cushion clamp P/N 000–115571–000 and cable tie hose supports by following the Accomplishment Instructions, paragraphs 1. through 6., of Simplex Mfg Service Letter SL2017–017, Revision B, dated March 14, 2018.

(ii) Install pump outlet cover P/N 244–302056–001 by following the Accomplishments Instructions, paragraphs 1. through 7., of Simplex Mfg Service Letter SL2017–030, Initial Release, dated March 12, 2018 (SL2017–030), except refer to Figure 2 when instructed to refer to Figure 1.

Note 2 to paragraph (g)(2)(ii) of this AD: SL2017–030 includes instructions that refer to a Figure 1; however, there is no Figure 1.

(iii) Pressurize the system and determine if the new fitting is functioning correctly by visually inspecting the spray system pump fitting for signs of stress, cracking, fatigue, and evidence of leaking by following the Accomplishment Instructions, paragraphs 1. through 4. of ASB2017–001. If there is any sign of stress, cracking, fatigue, or evidence of leaking, before further flight, remove from service the fitting, cushion clamp, cable tie hose supports, and pump outlet cover and replace with a new fitting, new cushion clamp, new cable tie hose supports, and new pump outlet cover, and repeat the actions required by this paragraph.

(3) After the effective date of this AD, do not install a Simplex Model 244 spray system approved under STC SR00286BO with pump fitting P/N P–58–0752–40 on any Robinson Helicopter Company Model R44 or R44 II helicopter.

(h) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Seattle ACO 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 manager of the certification office, send it to the attention of the person identified in paragraph (i)(1) of this AD. Information may be emailed to: 9-ANM-Seattle-ACO-AMOC-Requests@faa.gov.

(2) 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.

(i) Related Information

(1) For more information about this AD, contact Chris Bonar, Aerospace Engineer,

Airframe Section, FAA, Seattle ACO Branch, 2200 South 216th St., Des Moines, WA 98198; phone and fax: 206–231–3521; email: Christopher.Bonar@faa.gov.

(2) For service information identified in this AD, contact Simplex Manufacturing Company, 13340 NE Whitaker Way, Portland, OR 97230; phone 503–257–3511; fax 503–257–8556; internet www.simplex.aero. You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N–321, Fort Worth, TX 76177. For information on the availability of this material at the FAA, call 817–222–5110.

Issued in Fort Worth, Texas, on December 11, 2019.

Gaetano A. Sciortino,

Acting Director, Compliance & Airworthiness Division, Aircraft Certification Service.

[FR Doc. 2019–27117 Filed 12–16–19; 8:45 am]

BILLING CODE 4910–13–P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA–2019–0975; Product Identifier 2019–NM–176–AD]

RIN 2120–AA64

Airworthiness Directives; Embraer S.A. Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: The FAA proposes to adopt a new airworthiness directive (AD) for certain Embraer S.A. Model ERJ 170 airplanes. This proposed AD was prompted by a report of erroneous indications of certain engine parameters and reports of “pitch up” and “pitch down” uncommanded attitudes with autopilot engaged in cruise flight. This proposed AD would require installing updated PRIMUS EPIC LOAD software, as specified in an Agência Nacional de Aviação Civil (ANAC) Brazilian AD, which will be incorporated by reference. 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 January 31, 2020.

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 <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.

For the material identified in this proposed AD that will be incorporated by reference (IBR), contact National Civil Aviation Agency, Aeronautical Products Certification Branch (GGCP), Rua Laurent Martins, n° 209, Jardim Esplanada, CEP 12242-431—São José dos Campos—SP, Brazil; telephone 55 (12) 3203-6600; email pac@anac.gov.br; internet www.anac.gov.br/en/. You may find this IBR material on the ANAC website at <https://sistemas.anac.gov.br/certificacao/DA/DAE.asp>. You may view this IBR material 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 in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0975.

Examining the AD Docket

You may examine the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0975; 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 regulatory evaluation, any comments received, and other information. The street address for Docket Operations is listed above. Comments will be available in the AD docket shortly after receipt.

FOR FURTHER INFORMATION CONTACT:

Krista Greer, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3221.

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-2019-0975; Product Identifier 2019-NM-176-AD” at the

beginning of your comments. The FAA specifically invites comments on the overall regulatory, economic, environmental, and energy aspects of this NPRM. The FAA will consider all comments received by the closing date and may amend this NPRM based on those comments.

The FAA will post all comments received, without change, to <https://www.regulations.gov>, including any personal information you provide. The FAA will also post a report summarizing each substantive verbal contact received about this NPRM.

Discussion

The ANAC, which is the aviation authority for Brazil, has issued Brazilian AD 2019-10-02, effective October 21, 2019 (“Brazilian AD 2019-10-02”) (also referred to as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for certain Embraer S.A. Model ERJ 170-100 LR, -100 STD, -100 SE, and -100 SU airplanes; and Model ERJ 170-200 LR, -200 SU, -200 STD, and -200 LL airplanes.

This AD was prompted by a report of erroneous indications of the engine parameters N1, N2, and ITT from both engines due to the design of data communication of the full authority digital engine control (FADEC) 1 and 2 with the engine indicating and crew alerting system (EICAS) display, which could result in interference with decisions that must be taken by the flight crew during takeoff. This AD was also prompted by reports of “pitch up” and “pitch down” uncommanded attitudes with autopilot engaged in cruise flight, which could occur in “Autoland” mode during landing. The FAA is proposing this AD to address these conditions, which could interfere with the decisions taken by the flight crew during takeoff and landing and possibly result in reduced controllability of the airplane. See the MCAI for additional background information.

Related IBR Material Under 1 CFR Part 51

Brazilian AD 2019-10-02 describes procedures for installing updated PRIMUS EPIC LOAD software. 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 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 a bilateral agreement with the State of Design Authority, the FAA has been notified of the unsafe condition described in the MCAI referenced above. The FAA is proposing this AD because the agency evaluated all the relevant information and determined the unsafe condition described previously is likely to exist or develop in other products of the same type design.

Proposed AD Requirements

This proposed AD would require accomplishing the actions specified in Brazilian AD 2019-10-02 described previously, as incorporated by reference, except for any differences identified as exceptions in the regulatory text of this AD.

Explanation of Required Compliance Information

In the FAA’s ongoing efforts to improve the efficiency of the AD process, the FAA initially worked with Airbus and EASA to develop a process to use certain EASA ADs as the primary source of information for compliance with requirements for corresponding FAA ADs. The FAA has since coordinated with other manufacturers and civil aviation authorities (CAAs) to use this process. As a result, Brazilian AD 2019-10-02 will be incorporated by reference in the FAA final rule. This proposed AD would, therefore, require compliance with Brazilian AD 2019-10-02 in its entirety, through that incorporation, except for any differences identified as exceptions in the regulatory text of this proposed AD. Service information specified in Brazilian AD 2019-10-02 that is required for compliance with Brazilian AD 2019-10-02 will be available on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0975 after the FAA final rule is published.

Costs of Compliance

The FAA estimates that this proposed AD affects 540 airplanes of U.S. registry. The FAA estimates the following costs to comply with this proposed AD:

ESTIMATED COSTS FOR REQUIRED ACTIONS

Labor cost	Parts cost	Cost per product	Cost on U.S. operators
9 work-hours × \$85 per hour = \$765	\$0	\$765	\$413,100

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.

This proposed 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

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) Will not affect intrastate aviation in Alaska, and
- (3) 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 adding the following new airworthiness directive (AD):

Embraer S.A.: Docket No. FAA-2019-0975; Product Identifier 2019-NM-176-AD.

(a) Comments Due Date

The FAA must receive comments by January 31, 2020.

(b) Affected ADs

None.

(c) Applicability

This AD applies to Embraer S.A. Model ERJ 170–100 LR, –100 STD, –100 SE, and –100 SU airplanes; and Model ERJ 170–200 LR, –200 SU, –200 STD, and –200 LL airplanes; certificated in any category, as identified in Agência Nacional de Aviação Civil (ANAC) Brazilian AD 2019–10–02, effective October 21, 2019 ("Brazilian AD 2019–10–02").

(d) Subject

Air Transport Association (ATA) of America Code 31, Indicating/recording systems.

(e) Reason

This AD was prompted by a report of erroneous indications of the engine parameters N1, N2, and ITT from both engines due to the design of data communication of the full authority digital engine control (FADEC) 1 and 2 with the engine indicating and crew alerting system (EICAS) display, which could result in interference with decisions that must be taken by the flight crew during takeoff. This AD was also prompted by reports of "pitch up" and "pitch down" uncommanded attitudes with autopilot engaged in cruise flight, which could occur in "Autoland" mode during landing. The FAA is proposing this AD to address these conditions, which

could interfere with the decisions taken by the flight crew during takeoff and landing and possibly result in reduced controllability of the airplane.

(f) Compliance

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

(g) Requirements

Except as specified in paragraph (h) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, Brazilian AD 2019–10–02.

(h) Exceptions to Brazilian AD 2019–10–02

(1) Where Brazilian AD 2019–10–02 refers to its effective date, this AD requires using the effective date of this AD.

(2) The "Alternative method of compliance (AMOC)" section of Brazilian AD 2019–10–02 does not apply to this AD.

(3) Where paragraph (d) of Brazilian AD 2019–10–02 specifies you must use certain service information for software installation, this AD specifies to use that service information as applicable, except as provided in paragraphs (a)(1) through (3) of Brazilian AD 2019–10–02.

(i) 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 (j)(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 instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Section, Transport Standards Branch, FAA; or ANAC; or ANAC's authorized Designee. If approved by the ANAC Designee, the approval must include the Designee's authorized signature.

(j) Related Information

(1) For information about Brazilian AD 2019–10–02, contact National Civil Aviation Agency, Aeronautical Products Certification Branch (GGCP), Rua Laurent Martins, n° 209,

Jardim Esplanada, CEP 12242-431—São José dos Campos—SP, Brazil; telephone 55 (12) 3203-6600; email pac@anac.gov.br; internet www.anac.gov.br/en/. You may find this IBR material on the ANAC website at <https://sistemas.anac.gov.br/certificacao/DA/DAE.asp>. You may view this material 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. This material may be found in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0975.

(2) For more information about this AD, contact Krista Greer, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3221.

Issued in Des Moines, Washington, on December 5, 2019.

Michael Kaszycki,

Acting Director, System Oversight Division, Aircraft Certification Service.

[FR Doc. 2019-27062 Filed 12-16-19; 8:45 am]

BILLING CODE 4910-13-P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2019-0984; Product Identifier 2019-NM-161-AD]

RIN 2120-AA64

Airworthiness Directives; The Boeing Company Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: The FAA proposes to supersede Airworthiness Directive (AD) 2018-16-05, which applies to all The Boeing Company Model 757-200, -200PF, -200CB, and -300 series airplanes. AD 2018-16-05 requires repetitive inspections for skin cracking and shim migration at the upper link drag fittings, diagonal brace cracking, and fastener looseness; and applicable on-condition actions. Since the FAA issued AD 2018-16-05, an operator reported finding multiple cracks in the drag fitting at fastener holes while inspecting for cracking as required by AD 2018-16-05. This proposed AD would retain the actions required by AD 2018-16-05, reduce the compliance times for certain inspections, and add repetitive inspections at certain fastener hole locations and applicable on-condition actions. 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 January 31, 2020.

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 <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.

For service information identified in this NPRM, contact Boeing Commercial Airplanes, Attention: Contractual & Data Services (C&DS), 2600 Westminister Blvd., MC 110-SK57, Seal Beach, CA 90740-5600; telephone 562-797-1717; internet <https://www.myboeingfleet.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 <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0984.

Examining the AD Docket

You may examine the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2019-0984; 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 regulatory evaluation, any comments received, and other information. The street address for Docket Operations is listed above. Comments will be available in the AD docket shortly after receipt.

FOR FURTHER INFORMATION CONTACT: Chandra Ramdoss, Aerospace Engineer, Airframe Section, FAA, Los Angeles ACO Branch, 3960 Paramount Boulevard, Lakewood, CA 90712-4137; phone: 562-627-5239; fax: 562-627-5210; email: chandraduth.ramdoss@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-2019-0984; Product Identifier 2019-NM-161-AD” at the beginning of your comments. The FAA specifically invites comments on the overall regulatory, economic, environmental, and energy aspects of this NPRM. The FAA will consider all comments received by the closing date and may amend this NPRM because of those comments.

The FAA will post all comments, without change, to <https://www.regulations.gov>, including any personal information you provide. The FAA will also post a report summarizing each substantive verbal contact the agency receives about this proposed AD.

Discussion

The FAA issued AD 2018-16-05, Amendment 39-19345 (83 FR 38250, August 6, 2018) (“AD 2018-16-05”), for all The Boeing Company Model 757-200, -200PF, -200CB, and -300 series airplanes. AD 2018-16-05 requires repetitive inspections for skin cracking and shim migration at the upper link drag fittings, diagonal brace cracking, and fastener looseness; and applicable on-condition actions. AD 2018-16-05 resulted from reports of bolt rotation in the engine drag fitting joint and fastener heads; an inspection of the fastener holes revealed that cracks were found in the skin on two airplanes. The FAA issued AD 2018-16-05 to address cracking in the wing upper skin and forward drag fittings, which could lead to a compromised upper link and reduced structural integrity of the engine strut.

Actions Since AD 2018-16-05 Was Issued

Since the FAA issued AD 2018-16-05, an operator reported finding multiple cracks in the drag fitting at the fastener holes while inspecting for cracking as required by AD 2018-16-05. Subsequent analysis determined that additional repetitive open-hole high frequency eddy current (HFEC) inspections for cracking are necessary at the forward rows of fastener holes. Based on findings, it was also determined that more frequent inspections for cracking in the diagonal brace and diagonal brace fittings are necessary.

Related Service Information Under 14 CFR Part 51

The FAA reviewed Boeing Alert Requirements Bulletin 757-57A0073 RB, Revision 1, dated August 1, 2019. This service information describes procedures for repetitive inspections,