

**(e) Unsafe Condition**

This AD was prompted by the determination that the low-pressure oxygen flex hoses in the gaseous passenger oxygen system can potentially be conductive. The FAA is issuing this AD to address the potential for electrical current to pass through the low-pressure oxygen flex hoses in the gaseous passenger oxygen system, which can cause the flex hoses to melt or burn and result in an oxygen-fed fire in the passenger cabin.

**(f) Compliance**

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

**(g) Replacement Actions**

Within 72 months after September 15, 2016 (the effective date of AD 2016-18-02): Do all applicable actions identified as "RC" (required for compliance) in, and in accordance with, paragraph (g)(1) or (2) of this AD, as applicable.

(1) Except as required by paragraph (g)(2) of this AD: Do the actions in accordance with the Accomplishment Instructions of Boeing Special Attention Service Bulletin 777-35-0041, dated April 8, 2016; or Revision 1, dated August 14, 2019.

(2) For airplanes identified as Group 4 in Boeing Special Attention Service Bulletin 777-35-0041, Revision 1, dated August 14, 2019: Do the actions in accordance with the Accomplishment Instructions of Boeing Special Attention Service Bulletin 777-35-0041, Revision 1, dated August 14, 2019.

**(h) Parts Installation Prohibition**

As of September 15, 2016 (the effective date of AD 2016-18-02), no person may install on any airplane a low-pressure oxygen flex hose having a part number that is specified to be removed from an airplane in the Accomplishment Instructions of Boeing Special Attention Service Bulletin 777-35-0041, Revision 1, dated August 14, 2019.

**(i) 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 ACO, send it to the attention of the person identified in paragraph (j) of this AD. Information may be emailed to: [9-ANM-Seattle-ACO-AMOC-Requests@faa.gov](mailto: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.

(3) An AMOC that provides an acceptable level of safety may be used for any repair, modification, or alteration required by this AD if it is approved by The Boeing Company Organization Designation Authorization (ODA) that has been authorized by the Manager, Seattle ACO, FAA, to make those findings. To be approved, the repair method,

modification deviation, or alteration deviation must meet the certification basis of the airplane, and the approval must specifically refer to this AD.

(4) AMOCs approved previously for AD 2016-18-02 are approved as AMOCs for the corresponding provisions of paragraph (g) of this AD.

(5) For service information that contains steps that are labeled as Required for Compliance (RC), the provisions of paragraphs (i)(5)(i) and (ii) of this AD apply.

(i) The steps labeled as RC, including substeps under an RC step and any figures identified in an RC step, must be done to comply with the AD. If a step or substep is labeled "RC Exempt," then the RC requirement is removed from that step or substep. An AMOC is required for any deviations to RC steps, including substeps and identified figures.

(ii) Steps not labeled as RC may be deviated from using accepted methods in accordance with the operator's maintenance or inspection program without obtaining approval of an AMOC, provided the RC steps, including substeps and identified figures, can still be done as specified, and the airplane can be put back in an airworthy condition.

**(j) Related Information**

For more information about this AD, contact Susan L. Monroe, Aerospace Engineer, Cabin Safety and Environmental Systems Section, FAA, Seattle ACO Branch, 2200 South 216th St., Des Moines, WA 98198; phone and fax: 206-231-3570; email: [susan.l.monroe@faa.gov](mailto:susan.l.monroe@faa.gov).

**(k) 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.

(3) The following service information was approved for IBR on January 21, 2020.

(i) Boeing Special Attention Service Bulletin 777-35-0041, Revision 1, dated August 14, 2019.

(ii) [Reserved]

(4) The following service information was approved for IBR on September 15, 2016 (81 FR 59834, August 31, 2016).

(i) Boeing Special Attention Service Bulletin 777-35-0041, dated April 8, 2016.

(ii) [Reserved]

(5) For service information identified in this AD, 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>.

(6) 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.

(7) 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, email [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on December 12, 2019.

**Jeffrey E. Duven,**

*Director, System Oversight Division, Aircraft Certification Service.*

[FR Doc. 2019-28464 Filed 1-3-20; 8:45 am]

**BILLING CODE 4910-13-P**

**DEPARTMENT OF TRANSPORTATION****Federal Aviation Administration****14 CFR Part 39**

**[Docket No. FAA-2019-0703; Product Identifier 2019-NM-106-AD; Amendment 39-21014; AD 2019-25-15]**

**RIN 2120-AA64**

**Airworthiness Directives; Fokker Services B.V. Airplanes**

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

**ACTION:** Final rule.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for all Fokker Services B.V. Model F28 Mark 0100 airplanes. This AD was prompted by reports of smoke in the flight deck, in conjunction with the loss of electrical power. This AD requires replacement of affected generator power transfer contactors (GPTCs), essential bus transfer contactors (EBTCs), and auxiliary power transfer contactors (APTCS), as specified in a European Union Aviation Safety Agency (EASA) AD, which is incorporated by reference. The FAA is issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective February 10, 2020.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of February 10, 2020.

**ADDRESSES:** For the material incorporated by reference (IBR) in this AD, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 89990 1000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); internet <https://www.easa.europa.eu>. You may find this IBR material on the EASA website at <https://ad.easa.europa.eu>. 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–2019–0703.

**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–2019–0703; 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 is U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE, Washington, DC 20590.

**FOR FURTHER INFORMATION CONTACT:** Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206–231–3226; email [tom.rodriguez@faa.gov](mailto:tom.rodriguez@faa.gov).

**SUPPLEMENTARY INFORMATION:**

**Discussion**

The EASA, which is the Technical Agent for the Member States of the

European Union, has issued EASA AD 2019–0120, dated May 29, 2019 (“EASA AD 2019–0120”) (also referred to as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for all Fokker Services B.V. Model F28 Mark 0100 airplanes.

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to all Fokker Services B.V. Model F28 Mark 0100 airplanes. The NPRM published in the **Federal Register** on October 1, 2019 (84 FR 52044). The NPRM was prompted by reports of smoke in the flight deck, in conjunction with the loss of electrical power. The NPRM proposed to require replacement of affected GPTCs, EBTCs, and APTCs, as the most likely cause of the smoke was arcing inside one of these affected parts.

The FAA is issuing this AD to address smoke in the flight deck combined with the loss of electrical power, which could lead to excessive flightcrew workload and injury to the flightcrew. See the MCAI for additional background information.

**Comments**

The FAA gave the public the opportunity to participate in developing this final rule. The FAA received no

comments on the NPRM or on the determination of the cost to the public.

**Conclusion**

The FAA reviewed the relevant data and determined that air safety and the public interest require adopting this final rule as proposed, except for minor editorial changes. The FAA has 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 IBR Material Under 1 CFR Part 51**

EASA AD 2019–0120 describes procedures for replacing affected parts (GPTCs, EBTCs, and APTCs having part number DHR18–1) with serviceable parts. 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.

**Costs of Compliance**

The FAA estimates that this AD affects 4 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

**ESTIMATED COSTS FOR REQUIRED ACTIONS**

Labor cost	Parts cost	Cost per product	Cost on U.S. operators
2 work-hours × \$85 per hour = \$170 .....	\$5,400	\$5,570	\$22,280

**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 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) 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.

**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):

#### 2019–25–15 Fokker Services B.V.:

Amendment 39–21014; Docket No. FAA–2019–0703; Product Identifier 2019–NM–106–AD.

#### (a) Effective Date

This AD is effective February 10, 2020.

#### (b) Affected ADs

None.

#### (c) Applicability

This AD applies to all Fokker Services B.V. Model F28 Mark 0100 airplanes, certificated in any category.

#### (d) Subject

Air Transport Association (ATA) of America Code 24, Electrical power.

#### (e) Reason

This AD was prompted by reports of smoke in the flight deck, in conjunction with the loss of electrical power. The FAA is issuing this AD to address smoke in the flight deck combined with the loss of electrical power, which could lead to excessive flightcrew workload and injury to the flightcrew.

#### (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, European Union Aviation Safety Agency (EASA) AD 2019–0120, dated May 29, 2019 (“EASA AD 2019–0120”).

#### (h) Exceptions to EASA AD 2019–0120

(1) Where EASA AD 2019–0120 refers to its effective date, this AD requires using the effective date of this AD.

(2) The “Remarks” section of EASA AD 2019–0120 does not apply to this AD.

#### (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) of this AD. Information may be

emailed to: [9-ANM-116-AMOC-REQUESTS@faa.gov](mailto: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 EASA; or Fokker Services B.V.’s EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

#### (j) Related Information

For more information about this AD, contact Tom Rodriguez, Aerospace Engineer, International Section, Transport Standards Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206–231–3226; email [tom.rodriguez@faa.gov](mailto:tom.rodriguez@faa.gov).

#### (k) 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) European Union Aviation Safety Agency (EASA) AD 2019–0120, dated May 29, 2019.

(ii) [Reserved]

(3) For information about EASA AD 2019–0120, contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 89990 6017; email [ADS@easa.europa.eu](mailto:ADS@easa.europa.eu); internet <https://www.easa.europa.eu>. You may find this EASA AD on the EASA website at <https://ad.easa.europa.eu>.

(4) 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–2019–0703.

(5) You may view this material that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to: <https://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Des Moines, Washington, on December 12, 2019.

#### Jeffrey E. Duven,

Director, System Oversight Division, Aircraft Certification Service.

[FR Doc. 2019–28467 Filed 1–3–20; 8:45 am]

**BILLING CODE 4910–13–P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA–2019–0499; Product Identifier 2019–NM–088–AD; Amendment 39–21015; AD 2019–25–16]

RIN 2120–AA64

#### Airworthiness Directives; Embraer S.A. Airplanes

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

**ACTION:** Final rule.

**SUMMARY:** The FAA is superseding Airworthiness Directive (AD) 2017–06–08, which applied to 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, and –200 STD airplanes. AD 2017–06–08 required revising the existing maintenance or inspection program, as applicable, to incorporate more restrictive airworthiness limitations. This AD continues to require that revision; adds a new requirement for revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations; and adds airplanes to the applicability. Since the FAA issued AD 2017–06–08, the agency determined that new or more restrictive airworthiness limitations are necessary. The FAA is issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective February 10, 2020.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of February 10, 2020.

The Director of the Federal Register approved the incorporation by reference of a certain other publication listed in this AD as of May 11, 2017 (82 FR 16725, April 6, 2017).

**ADDRESSES:** For service information identified in this final rule, contact Embraer S.A., Technical Publications Section (PC 060), Av. Brigadeiro Faria Lima, 2170-Putim-12227–901 São Jose dos Campos-SP-Brazil; telephone +55 12 3927–5852 or +55 12 3309–0732; fax +55 12 3927–7546; email [distrib@embraer.com.br](mailto:distrib@embraer.com.br); internet <https://www.flyembraer.com>. You may view this referenced 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