

Issued in Renton, Washington, on May 9, 2006.

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Manager, Transport Airplane Directorate,  
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## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2006-24788; Directorate Identifier 2006-NM-073-AD]

RIN 2120-AA64

#### Airworthiness Directives; Empresa Brasileira de Aeronautica S.A. (EMBRAER) Model ERJ 170 Airplanes

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

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

**SUMMARY:** The FAA proposes to adopt a new airworthiness directive (AD) for certain EMBRAER Model ERJ 170 airplanes. This proposed AD would require a one-time inspection for proper crimping of the terminal lugs for the power cables of each integrated drive generator (IDG), installing a new sleeve on the terminal, and re-crimping if necessary. This proposed AD results from a report that the terminal lugs for the power cables of the IDGs may not be adequately crimped, which could allow the cables to be pulled out of the terminals with no significant force. We are proposing this AD to prevent loss of all normal electrical power for the airplane, and consequent reduced controllability of the airplane.

**DATES:** We must receive comments on this proposed AD by June 16, 2006.

**ADDRESSES:** Use one of the following addresses to submit comments on this proposed AD.

- DOT Docket Web site: Go to <http://dms.dot.gov> and follow the instructions for sending your comments electronically.

- Government-wide rulemaking Web site: Go to <http://www.regulations.gov> and follow the instructions for sending your comments electronically.

- Mail: Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street, SW., Nassif Building, room PL-401, Washington, DC 20590.

- Fax: (202) 493-2251.

- Hand Delivery: Room PL-401 on the plaza level of the Nassif Building, 400 Seventh Street, SW., Washington,

DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

Contact Empresa Brasileira de Aeronautica S.A. (EMBRAER), P.O. Box 343—CEP 12.225, Sao Jose dos Campos—SP, Brazil, for service information identified in this proposed AD.

#### FOR FURTHER INFORMATION CONTACT:

Todd Thompson, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue, SW., Renton, Washington 98055-4056; telephone (425) 227-1175; fax (425) 227-1149.

#### SUPPLEMENTARY INFORMATION:

##### Comments Invited

We invite you to submit any relevant written data, views, or arguments regarding this proposed AD. Send your comments to an address listed in the **ADDRESSES** section. Include the docket number “FAA-2006-24788; Directorate Identifier 2006-NM-073-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the proposed AD. We will consider all comments received by the closing date and may amend the proposed AD in light of those comments.

We will post all comments we receive, without change, to <http://dms.dot.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact with FAA personnel concerning this proposed AD. Using the search function of that Web site, anyone can find and read the comments in any of our dockets, including the name of the individual who sent the comment (or signed the comment on behalf of an association, business, labor union, etc.). You may review the DOT’s complete Privacy Act Statement in the **Federal Register** published on April 11, 2000 (65 FR 19477-78), or you may visit <http://dms.dot.gov>.

##### Examining the Docket

You may examine the AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Management Facility office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The Docket Management Facility office (telephone (800) 647-5227) is located on the plaza level of the Nassif Building at the DOT street address stated in the **ADDRESSES** section. Comments will be available in the AD docket shortly after the Docket Management System receives them.

#### Discussion

The Departamento de Aviação Civil (DAC), which is the airworthiness authority for Brazil, notified us that an unsafe condition may exist on certain EMBRAER Model ERJ 170 airplanes. The DAC advises that during a heavy maintenance action, it was discovered that four terminal lugs for the power cables of the integrated drive generators (IDGs) were not adequately crimped during installation, which could allow the cables to be pulled out of the terminals with no significant force. This condition, if not corrected, could result in loss of all normal electrical power for the airplane, and consequent reduced controllability of the airplane.

#### Relevant Service Information

EMBRAER has issued Service Bulletin 170-24-0028, dated January 4, 2006. The service bulletin describes procedures for doing an inspection of the crimping of terminal lugs for the power cables of each IDG, and corrective actions. The corrective actions are installing a new sleeve on the terminal, and re-crimping if necessary. Accomplishing the actions specified in the service information is intended to adequately address the unsafe condition. The DAC mandated the service information and issued Brazilian airworthiness directive 2006-02-04, dated March 15, 2006, to ensure the continued airworthiness of these airplanes in Brazil.

#### FAA’s Determination and Requirements of the Proposed AD

This airplane model is manufactured in Brazil and is type certificated for operation in the United States under the provisions of section 21.29 of the Federal Aviation Regulations (14 CFR 21.29) and the applicable bilateral airworthiness agreement. Pursuant to this bilateral airworthiness agreement, the DAC has kept the FAA informed of the situation described above. We have examined the DAC’s findings, evaluated all pertinent information, and determined that we need to issue an AD for airplanes of this type design that are certificated for operation in the United States.

Therefore, we are proposing this AD, which would require accomplishing the actions specified in the service information described previously.

#### Clarification of Inspection Terminology

In this proposed AD, the “detailed visual inspection” specified in the Brazilian airworthiness directive is referred to as a “detailed inspection.” We have included the definition for a

detailed inspection in a note in the proposed AD.

### Costs of Compliance

This proposed AD would affect about 54 airplanes of U.S. registry. The proposed actions would take about 1 work hour per airplane, at an average labor rate of \$80 per work hour. The manufacturer states that it will supply required parts to the operators at no cost. Based on these figures, the estimated cost of the proposed AD for U.S. operators is \$4,320, or \$80 per airplane.

### 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 have 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 that the 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); 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.

We prepared a regulatory evaluation of the estimated costs to comply with this proposed AD and placed it in the AD docket. See the **ADDRESSES** section

for a location to examine the regulatory evaluation.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, 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 Federal Aviation Administration (FAA) amends § 39.13 by adding the following new airworthiness directive (AD):

**Empresa Brasileira de Aeronautica S.A. (EMBRAER):** Docket No. FAA-2006-24788; Directorate Identifier 2006-NM-073-AD.

#### Comments Due Date

(a) The FAA must receive comments on this AD action by June 16, 2006.

#### Affected ADs

(b) None.

#### Applicability

(c) This AD applies to EMBRAER Model ERJ 170-100 LR, -100 STD, -100 SE, and -100 SU airplanes, certificated in any category; as identified in EMBRAER Service Bulletin 170-24-0028, dated January 4, 2006.

#### Unsafe Condition

(d) This AD results from a report that the terminal lugs for the power cables of the integrated drive generators (IDGs) may not be adequately crimped, which could allow the cables to be pulled out of the terminals with no significant force. We are issuing this AD to prevent the loss of all normal electrical power for the airplane, and consequent reduced controllability of the airplane.

#### Compliance

(e) You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

#### Inspection and Corrective Actions

(f) Within 600 flight hours after the effective date of this AD: Do a detailed inspection for proper crimping of terminal lugs for the power cables of each IDG, and install a new sleeve on the terminal. If the terminal lugs are not properly installed and crimped: Before further flight, re-crimp and install a new sleeve on the terminal. Do all actions in accordance with the Accomplishment Instructions of EMBRAER Service Bulletin 170-24-0028, dated January 4, 2006.

**Note 1:** For the purposes of this AD, a detailed inspection is: "An intensive examination of a specific item, installation, or assembly to detect damage, failure, or irregularity. Available lighting is normally supplemented with a direct source of good lighting at an intensity deemed appropriate. Inspection aids such as mirror, magnifying lenses, etc., may be necessary. Surface cleaning and elaborate procedures may be required."

### Alternative Methods of Compliance (AMOCs)

(g)(1) The Manager, ANM-116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested in accordance with the procedures found in 14 CFR 39.19.

(2) Before using any AMOC approved in accordance with § 39.19 on any airplane to which the AMOC applies, notify the appropriate principal inspector in the FAA Flight Standards Certificate Holding District Office.

### Related Information

(h) Brazilian airworthiness directive 2006-02-04, dated March 15, 2006, also addresses the subject of this AD.

Issued in Renton, Washington, on May 9, 2006.

**Ali Bahrami,**

*Manager, Transport Airplane Directorate, Aircraft Certification Service.*

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## DEPARTMENT OF HOMELAND SECURITY

### Coast Guard

#### 33 CFR Part 117

[USCG-2001-10881]

RIN 1625-AA36

### Drawbridge Operation Regulations; Amendment

**AGENCY:** Coast Guard, DHS.

**ACTION:** Supplemental notice of proposed rulemaking.

**SUMMARY:** The Coast Guard is proposing a supplemental change to its notice of proposed rulemaking for modifying drawbridge operating regulations. This proposed supplemental change will consolidate all temporary changes to a drawbridge operating schedule into either a deviation or a rulemaking based on the length of time of the temporary change. This new proposed change is intended to provide more easily understood regulatory requirements. This proposed change will not affect the requirements for emergency closures or permanent changes to an operating schedule.