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

§ 39.13 [Amended]

1. The FAA amends § 39.13 by adding the following new AD:


(a) Effective Date
This airworthiness directive (AD) becomes effective October 29, 2012.

(b) Affected ADs
None.

(c) Applicability

(d) Subject
Air Transport Association (ATA) of America Code 55, Stabilizers.

(e) Reason
This AD was prompted by a report of a lightning strike hitting an airplane tail boom causing certain rear bulkhead parts to jam an elevator control rod. We are issuing this AD to prevent lightning strikes from causing certain parts to contact the airplane pitch control system, which could reduce airplane controllability.

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

(g) Actions
Within 5,000 flight hours or 48 months after the effective date of this AD, whichever occurs first: Install or rework, as applicable, metallic diverters and aluminum sheets; modify the light assembly on the tail boom rear movable fairing; and replace the hood assembly with a new hood assembly having part number (P/N) 145–23046–403 and reroute its electrical harness. Do all the actions in accordance with the Accomplishment Instructions of EMBRAER Service Bulletin 145LEG–55–0013, dated September 8, 2011 (for Model EMB–135BJ airplanes); or EMBRAER Service Bulletin 145–55–0030, Revision 05, dated July 29, 2011 (for Model EMB–145 and EMB–135, except –135BJ, airplanes).

(h) 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: Todd Thompson, Aerospace Engineer, International Branch, ANM–116, Transport Airplane Directorate, FAA, 1601 Lind Avenue SW., Renton, WA 98057–3356; telephone (425) 227–1175; fax (425) 227–1149. Information may be emailed to: AM–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. The AMOC approval letter must specifically reference this AD.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(i) Related Information
Refer to MCAI Brazilian Airworthiness Directive 2011–11–01, dated November 30, 2011, and the following service information, for related information:


(j) 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 the AD specifies otherwise.


(3) For inspection identified in this AD, contact Empresa Brasileira de Aeronautica S.A. (EMBRAER), Technical Publications Section (PC 060), Av. Brigadeiro Faria Lima, 2170–Putim–12227–901 São José dos Campos—SP—BRASIL; telephone +55 12 3927–7546; email distrib@embracoer.com.br; Internet http://www.flyembracoer.com.

(4) You may review copies of the 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.

(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 202–741–6000, or go to: http://www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued in Renton, Washington, on September 6, 2012.

Ali Bahrami,
Manager, Transport Airplane Directorate,
Aircraft Certification Service.

[FR Doc. 2012–23277 Filed 9–21–12; 8:45 am]

BILLING CODE 4910–13–P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39


RIN 2120–AA64

Airworthiness Directives; Rolls-Royce plc Turbofan Engines

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: We are superseding an existing airworthiness directive (AD) for all Rolls-Royce plc (RR) RB211-Trent 875–17, RB211-Trent 877–17, RB211-Trent 884–17, RB211-Trent 884B–17, RB211-Trent 892–17, RB211-Trent 892B–17, and RB211-Trent 895–17 turbofan engines. That AD currently requires initial and repetitive ultrasonic inspections (UIs) of certain low-pressure (LP) compressor blades identified by serial number (S/N). This new AD requires the same actions but expands the population of blades. This AD was prompted by the need to add the inspections of the LP compressor blades listed by S/N in Appendices 3H through 3L of RR plc Alert Service Bulletin (ASB) No. RB.211–72–AG244, Revision 4, dated December 22, 2011. We are issuing this AD to prevent multiple LP compressor blades from failing due to blade root cracks, which could lead to uncontained engine failure and damage to the airplane.

DATES: This AD is effective October 29, 2012.

The Director of the Federal Register approved the incorporation by reference.
of a certain publication listed in the AD as of October 29, 2012.

**Addresses:** For service information identified in this AD, contact Rolls-Royce plc, Corporate Communications, P.O. Box 31, Derby, England, DE248BJ; phone: 011–44–1332–424242; fax: 011–44–1332–245418, or email: http://www.rolls-royce.com/contact/civil_team.jsp. You may view this service information at the FAA, Engine & Propeller Directorate, 12 New England Executive Park, Burlington, MA. For information on the availability of this material at the FAA, call 781–238–7125.

**Examining the AD Docket**

You may examine the AD docket on the Internet at http://www.regulations.gov; 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 AD, the regulatory evaluation, any comments received, and other information. The address for the Docket Office (phone: 800–647–5527) is Document Management Facility, 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:**

**Supplementary Information:**

**Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to supersede AD 2012–06–23 (77 FR 20508, April 5, 2012). That AD applies to the specified products. The NPRM published in the Federal Register on May 3, 2012 (77 FR 26216). That NPRM proposed to continue to require initial and repetitive UlS of certain LP compressor blades identified by RR. This AD requires the same actions but expands the population of blades.

**Comments**

We gave the public the opportunity to participate in developing this AD. The following presents the comments received on the proposal and the FAA’s response to each comment.

**Request to Modify Initial Inspection Thresholds**

Commenters RR and The Boeing Company (Boeing) requested that the initial inspection thresholds listed in Table 1 of the proposed AD be the same as those in RR ASB RB.211–72–AG244. Alternatively, RR and Boeing asked whether our AD, we adjust the calendar months after the effective date of the AD to make them equivalent to the calendar dates in the ASB. RR claims that allowing parts to remain on wing longer than the times specified in the ASB will increase the risk of a fan blade failure before a crack is detected.

We do not agree. The number of months for compliance after the effective date of this AD is the same as in the EASA AD 2012–0025, dated February 8, 2012. Also, shortening the initial inspection threshold now would require renotice and therefore delay implementation of the AD. We did not change the AD.

**Request to Revise Unsafe Condition Statement**

RR asked that we change the unsafe condition statement in the AD to indicate that the AD is being issued to prevent multiple blades from the same engine from failing. RR indicated that this change is needed because a single blade failure from the rotor is, by design, a contained event.

We agree because multiple blades in an engine may develop cracks and fail if not inspected. We changed the AD by revising the unsafe condition statement in paragraph (d) of the AD from: “We are issuing this AD to prevent LP compressor blades from failing due to blade root cracks, which could lead to uncontained engine failure and damage to the airplane” to: “We are issuing this AD to prevent multiple LP compressor blades from failing due to blade root cracks, which could lead to uncontained engine failure and damage to the airplane.”

**Request to Revise Compliance Paragraph (e)(3)**

Commenter American Airlines (American) requested that we change paragraph (e)(3) from: “* * * * *” to: “* * * * * *” or paragraphs 1. through 3.B. of Appendix 1 of that ASB, or paragraphs 3.B.1 through 3.B.3 of Accomplishment Instructions of RR ASB No. RB.211–72–AG244, Revision 4, dated December 22, 2011, and paragraphs 1 through 3.B. of Appendix 1 of that ASB, or paragraphs 3.B.1 through 3.B.3 of Accomplishment Instructions of RR ASB No. RB.211–72–AG244, Revision 4, dated December 22, 2011, and paragraphs 1 through 3.C. of Appendix 2 of that ASB, to perform the UlS.” to: “Use paragraph 3.A.2 of Accomplishment Instructions of RR ASB No. RB.211–72–AG244, Revision 4, dated December 22, 2011, and paragraphs 1. through 3.B. of Appendix 1 of that ASB, or paragraphs 3.B.3 of Accomplishment Instructions of RR ASB No. RB.211–72–AG244, Revision 4, dated December 22, 2011, and paragraphs 1. through 3.C. of Appendix 2 of that ASB, to perform the UlS. Prior to inspecting the blades per paragraph 3.B.3 of the Accomplishment Instructions remove the air intake fairing/spinner and spinner extension and annulus fillers.”

**Request to Revise Compliance Paragraph (e)(6)**

American requested that paragraph (e)(6) of the AD be revised to read: “After the effective date of this AD, do not install any affected LP compressor blade that has reached the initial inspection threshold in Table 1, unless it has passed the UI required by this AD.” American indicated that the wording of the proposed AD implied that if a blade fails a visual inspection, it may not be reinstalled even if it passes a subsequent UI. We agree. We revised the paragraph to read: “After the effective date of this AD, do not install any affected LP compressor blade that has reached the initial inspection threshold in Table 1, if it has passed the UI required by this AD.” We also moved this paragraph to a separate Installation Prohibition paragraph (f).

**Request to Revise Previous Credit Paragraph**

American asked that the AD allow compressor blades inspected ultrasonically before the effective date...
Based on these figures, we estimate the annual cost of the AD on U.S. operators to be $323,740. Our cost estimate is exclusive of possible warranty coverage.

**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 AD will not have federalism implications under Executive Order 12866, 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 DOT Regulatory Policies and Procedures (49 FR 20508, April 5, 1979),
3. Will not affect intrastate aviation in Alaska,
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 removing airworthiness directive (AD) 2012–06–23, Amendment 39–17004 (77 FR 20508, April 5, 2012), and adding the following new AD:


(a) Effective Date

This airworthiness directive (AD) is effective October 29, 2012.

(b) Affected ADs

This AD supersedes AD 2012–06–23 (77 FR 20508, April 5, 2012).

(c) Applicability

This AD applies to Rolls-Royce plc (RR) RB211-Trent 875–17, RB211-Trent 877–17, RB211-Trent 884–17, RB211-Trent 884B–17, RB211-Trent 892–17, RB211-Trent 892B–17, and RB211-Trent 895–17 turbofan engines.

(d) Unsafe Condition

This AD was prompted by the need to add the inspections of the low-pressure (LP) compressor blades listed by serial number (S/N) in Appendixes 3H through 3L of Rolls-Royce plc: Alert Service Bulletin (ASB) No. RB.211–72–AG244, Revision 4, dated December 22, 2011. We are issuing this AD to prevent multiple LP compressor blades from failing due to blade root cracks, which could lead to uncontained engine failure and damage to the airplane.

(e) Compliance

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

1. Perform an initial ultrasonic inspection (UI) of the affected LP compressor blades identified by S/N in Appendixes 3A through 3L of RR ASB No. RB.211–72–AG244, Revision 4, dated December 22, 2011. Use Table 1 to paragraph (e) of this AD to determine your initial inspection threshold.

**Table 1 to Paragraph (e)—Initial Inspection Thresholds**

<table>
<thead>
<tr>
<th>Appendix number of RR ASB Number RB.211–72–AG244, Revision 4, that identifies affected LP compressor blades by S/N</th>
<th>Initial inspection threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A and 3B ..................................................................................................................</td>
<td>Within 70 flight cycles after the effective date of this AD.</td>
</tr>
<tr>
<td>3C ...........................................................................................................................</td>
<td>Within 10 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3D ...........................................................................................................................</td>
<td>Within 22 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3E ...........................................................................................................................</td>
<td>Within 34 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3F ...........................................................................................................................</td>
<td>Within 46 months after the effective date of this AD.</td>
</tr>
</tbody>
</table>
(2) Thereafter, perform repetitive UIs of the affected LP compressor blades within every 100 flight cycles.

(3) Use paragraph 3.A.(2) of Accomplishment Instructions of RR ASB No. RB.211–72–AG244, Revision 4, dated December 22, 2011, and paragraphs 1. through 3.B. of Appendix 1 of that ASB, or paragraphs 3.B.(3) of Accomplishment Instructions of RR ASB No. RB.211–72–AG244, Revision 4, dated December 22, 2011, and paragraphs 1. through 3.C. of Appendix 2 of that ASB, to perform the UIs. Prior to inspecting the blades per paragraph 3.B.(3) of the Accomplishment Instructions remove the air intake fairing/spinner and spinner extension and annulus fillers.

(4) Do not return to service any engine with blades that failed the inspection required by this AD.

(5) For blades that are removed from the engine and pass inspection, re-install the blades.

(f) Installation Prohibition

After the effective date of this AD, do not install any affected LP compressor blade that has reached the initial inspection threshold in Table 1 to paragraph (e) of this AD, unless it has passed the UI required by this AD.

(g) Credit for Previous Actions

You may take credit for the initial inspection that is required by paragraph (e)(1) of this AD if you performed the initial inspection before the effective date of this AD using RR ASB No. RB.211–72–AG244, dated August 7, 2009; RR ASB No. RB.211–72–AG244, Revision 1, dated January 26, 2010; RR ASB No. RB.211–72–AG244, Revision 2, dated August 18, 2011; RR ASB No. RB.211–72–AG244, Revision 3, dated December 13, 2011; or RR RB.211–72–E175, Revision 7, dated April 11, 2011.

(h) Alternative Methods of Compliance (AMOCs)

The Manager, Engine Certification Office, FAA, may approve AMOCs for this AD. Use the procedures found in 14 CFR 39.19 to make your request.

(i) Related Information


(2) Refer to European Aviation Safety Agency AD 2012–0025, dated February 8, 2012, for related information.

### TABLE 1 TO PARAGRAPH (e)—INITIAL INSPECTION THRESHOLDS—Continued

<table>
<thead>
<tr>
<th>Appendix number of RR ASB Number RB.211–72–AG244, Revision 4, that identifies affected LP compressor blades by S/N</th>
<th>Initial inspection threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>3G</td>
<td>Within 58 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3H</td>
<td>Within 70 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3I</td>
<td>Within 82 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3J</td>
<td>Within 94 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3K</td>
<td>Within 106 months after the effective date of this AD.</td>
</tr>
<tr>
<td>3L</td>
<td>Within 118 months after the effective date of this AD.</td>
</tr>
</tbody>
</table>

### SUMMARY:

We are adopting a new airworthiness directive (AD) for certain Fokker Services B.V. Model F.28 Mark 0070 and 0100 airplanes. This AD was prompted by reports of burned contacts in a certain production break plug and its corresponding receptacle. This AD requires modifying galley power supply wiring by disconnecting it from the affected plug/receptacle and reconnecting the power supply wiring through splices. We are issuing this AD to prevent a high electrical load, which might lead to overheating of the galley power supply wiring and/or the electrical connector and consequent smoke or fire in the galley area, which could result in damage to the airplane and injury to occupants.

### DATES:

This AD becomes effective October 29, 2012.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of October 29, 2012.

### ADDRESSES:

You may examine the AD docket on the Internet at http://www.regulations.gov or in person at the U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE., Washington, DC.


### SUPPLEMENTARY INFORMATION:

Discussion

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to the specified products. That NPRM was published in the Federal Register on June 12, 2012 (77 FR 34872). That NPRM proposed to correct an unsafe condition for the specified products. The MCAI states:

Reports have been received about burned contacts in production break plug P 4259B and corresponding receptacle J 4259A. After investigation, it was concluded that the high