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## **DEPARTMENT OF TRANSPORTATION**

### **Federal Aviation Administration**

#### **14 CFR Part 39**

**[Docket No. FAA-2006-25657; Directorate Identifier 2006-NM-187-AD; Amendment 39-14735; AD 2006-17-14]**

**RIN 2120-AA64**

### **Airworthiness Directives; Bombardier Model CL-600-2B19 (Regional Jet Series 100 & 440) Airplanes**

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

**ACTION:** Final rule; request for comments.

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**SUMMARY:** The FAA is superseding an existing airworthiness directive (AD) that applies to certain Bombardier Model CL-600-2B19 (Regional Jet Series 100 & 440) airplanes. The existing AD currently requires inspecting contactors 1K4XD, 2K4XD, and K4XA to determine the type of terminal base plate, and applying sealant on the terminal base plates, if necessary. This new AD revises the effective date of the existing AD. This AD results from incidents of short circuit failures of certain alternating current (AC) contactors located in the avionics bay. We are issuing this AD to prevent short circuit failures of certain AC contactors, which could result in arcing and consequent smoke or fire.

**DATES:** This AD becomes effective September 7, 2006.

On August 9, 2006 (71 FR 45364, August 9, 2006), the Director of the Federal Register approved the incorporation by reference of Bombardier Service Bulletin 601R-24-122, Revision A, dated July 13, 2006.

We must receive any comments on this AD by October 23, 2006.

**ADDRESSES:** Use one of the following addresses to submit comments on this 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 Bombardier, Inc., Canadair, Aerospace Group, P.O. Box 6087, Station Centre-ville, Montreal, Quebec H3C 3G9, Canada, for service information identified in this AD.

You may examine the contents of the AD docket on the Internet at <http://dms.dot.gov>, or in person at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street, SW., Room PL-401, on the plaza level of the Nassif Building, Washington, DC. This docket number is FAA-2006-25657; the directorate identifier for this docket is 2006-NM-187-AD.

**FOR FURTHER INFORMATION CONTACT:** Wing Chan, Aerospace Engineer, Systems and Flight Test Branch, ANE-172, FAA, New York Aircraft Certification Office, 1600 Stewart Avenue, suite 410, Westbury, New York 11590; telephone (516) 228-7311; fax (516) 794-5531.

## **SUPPLEMENTARY INFORMATION:**

### **Discussion**

On July 31, 2006, the FAA issued AD 2006-16-07, amendment 39-14707 (71 FR 45364, August 9, 2006). That AD applies to certain Bombardier Model CL-600-2B19 (Regional Jet Series 100 & 440) airplanes. That AD requires inspecting contactors 1K4XD, 2K4XD, and K4XA to determine the type of terminal base plate, and applying sealant on the terminal base plates, if necessary. That AD resulted from incidents of short circuit failures of certain alternating current (AC) contactors located in the avionics bay. The actions specified in that AD are intended to prevent short circuit failures of certain AC contactors, which could result in arcing and consequent smoke or fire.

### **Actions Since AD Was Issued**

Since we issued that AD, we have determined that the effective date of that AD was inadvertently specified as the same date as the publication date. The effective date of the AD should be 15 days after the date of publication in the Federal Register

### **FAA's Determination and Requirements of This AD**

This airplane model is manufactured in Canada 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, Transport Canada Civil Aviation (TCCA), which is the airworthiness authority for Canada, has kept the FAA informed of the situation described above. We have examined TCCA's findings, evaluated all pertinent information, and determined that we need to issue an AD for products of this type design that are certificated for operation in the United States.

Therefore, we are issuing this AD to supersede AD 2006-16-07. This new AD retains the requirements of the existing AD. This AD also revises the effective date of the existing AD.

### **Interim Action**

We consider this AD interim action. If final action is later identified, we may consider further rulemaking then.

### **FAA's Determination of the Effective Date**

An unsafe condition exists that requires the immediate adoption of this AD; therefore, providing notice and opportunity for public comment before the AD is issued is impracticable, and good cause exists to make this AD effective in less than 30 days.

## **Comments Invited**

This AD is a final rule that involves requirements that affect flight safety and was not preceded by notice and an opportunity for public comment; however, we invite you to submit any relevant written data, views, or arguments regarding this AD. Send your comments to an address listed in the ADDRESSES section. Include "Docket No. FAA-2006-25657; Directorate Identifier 2006-NM-187-AD" at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of the AD that might suggest a need to modify it.

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 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 can review the DOT's complete Privacy Act Statement in the Federal Register published on April 11, 2000 (65 FR 19477-78), or you can 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.

## **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 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 the 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 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, Incorporation by reference, Safety.

### **Adoption of the Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA amends part 39 of the Federal Aviation Regulations (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 removing amendment 39-14707 (71 FR 45364, August 9, 2006) and adding the following new AD:

# AIRWORTHINESS DIRECTIVE

[www.faa.gov/aircraft/safety/alerts/](http://www.faa.gov/aircraft/safety/alerts/)  
[www.gpoaccess.gov/fr/advanced.html](http://www.gpoaccess.gov/fr/advanced.html)

U.S. Department  
of Transportation  
**Federal Aviation  
Administration**



**2006-17-14 Bombardier, Inc. (Formerly Canadair):** Docket No. FAA-2006-25657; Directorate Identifier 2006-NM-187-AD; Amendment 39-14735.

## Effective Date

(a) This AD becomes effective September 7, 2006.

## Affected ADs

(b) This AD supersedes AD 2006-16-07.

## Applicability

(c) This AD applies to Bombardier Model CL-600-2B19 (Regional Jet Series 100 & 440) airplanes, certificated in any category, serial numbers 7003 through 7990 inclusive and 8000 and subsequent.

## Unsafe Condition

(d) This AD results from incidents of short circuit failures of certain alternating current (AC) contactors located in the avionics bay. We are issuing this AD to prevent short circuit failures of certain AC contactors, which could result in arcing and consequent smoke or fire.

## 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 Action

(f) Within 800 flight hours or four months after the effective date of this AD, whichever occurs first: Do a general visual inspection of AC service bus contactors 1K4XD and 2K4XD, part number (P/N) D-18ZZA, and the utility bus contactor K4XA, P/N D-7GRZ, to determine which contactors have an Ultem 2200 terminal base plate (i.e., the plate is made from a black molded thermal plastic material), and apply RTV sealant to the terminal base plate, as applicable, by doing all the actions specified in the Accomplishment Instructions of Bombardier Service Bulletin 601R-24-122, Revision A, dated July 13, 2006. Do all applicable applications of sealant before further flight.

**Note 1:** For the purposes of this AD, a general visual inspection is: "A visual examination of an interior or exterior area, installation, or assembly to detect obvious damage, failure, or irregularity. This level of inspection is made from within touching distance unless otherwise specified. A mirror may be necessary to ensure visual access to all surfaces in the inspection area. This level of inspection is made under normally available lighting conditions such as daylight, hangar lighting,

flashlight, or droplight and may require removal or opening of access panels or doors. Stands, ladders, or platforms may be required to gain proximity to the area being checked."

### **Previous Actions Accomplished According to Other Service Information**

(g) Actions accomplished before the effective date of this AD in accordance with Bombardier Drawing Number K601R50180, dated June 2, 2006; or Bombardier Service Bulletin 601R-24-122, dated June 27, 2006; are considered acceptable for compliance with the actions specified in paragraph (f) of this AD.

### **Parts Installation**

(h) As of the effective date of this AD, no person may install AC contactor 1K4XD, 2K4XD, or K4XA, having an Ultem 2200 terminal base plate, on any airplane, unless RTV sealant has been applied to the terminal base plate in accordance with Bombardier Service Bulletin 601R-24-122, Revision A, dated July 13, 2006.

### **Alternative Methods of Compliance (AMOCs)**

(i)(1) The Manager, New York Aircraft Certification Office, 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.

(3) AMOCs approved previously in accordance with AD 2006-16-07, are approved as AMOCs for the corresponding provisions of this AD.

### **Related Information**

(j) Canadian airworthiness directive CF-2006-17, dated July 11, 2006, also addresses the subject of this AD.

### **Material Incorporated by Reference**

(k) You must use Bombardier Service Bulletin 601R-24-122, Revision A, dated July 13, 2006, to perform the actions that are required by this AD, unless the AD specifies otherwise. On August 9, 2006 (71 FR 45364, August 9, 2006), the Director of the Federal Register approved the incorporation by reference of this document. Contact Bombardier, Inc., Canadair, Aerospace Group, P.O. Box 6087, Station Centre-ville, Montreal, Quebec H3C 3G9, Canada, for a copy of this service information. You may review copies at the Docket Management Facility, U.S. Department of Transportation, 400 Seventh Street, SW., Room PL-401, Nassif Building, Washington, DC; on the Internet at <http://dms.dot.gov>; or at the National Archives and Records Administration (NARA). For information on the availability of this material at the NARA, call (202) 741-6030, or go to [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

Issued in Renton, Washington, on August 14, 2006.

Ali Bahrami,

Manager, Transport Airplane Directorate, Aircraft Certification Service.

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