



No.	CF-2007-29	1/2
Issue Date	22 November 2007	

# AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 593**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

**Number:** CF-2007-29

**Subject:** Fuel System Safety - Introduction of Maintenance Tasks

**Effective:** 10 December 2007

**Applicability:** Bombardier Inc. Model CL-600-2B19 aircraft, all serial numbers.

**Compliance:** As indicated unless already accomplished.

**Background:** Bombardier Aerospace has completed a system safety review of the aircraft fuel system against fuel tank safety standards introduced in Chapter 525 of the Airworthiness Manual through Notice of Proposed Amendment (NPA) 2002-043. The identified non-compliances were then assessed using Transport Canada Policy Letter No. 525-001, to determine if mandatory corrective action is required.

The assessment showed that supplemental maintenance tasks are required to prevent potential ignition sources inside the fuel system, which could result in a fuel tank explosion. Revision has been made to Canadair Regional Jet Model CL-600-2B19 Maintenance Requirements Manual, CSP A-053, Part 2, Appendix D, "Fuel System Limitations" to introduce the required maintenance tasks.

**Corrective Actions:**

1. Within 60 days after the effective date of this directive, revise the Transport Canada approved maintenance schedule by incorporating the following inspection requirements as contained in Revision 7 of Canadair Regional Jet Model CL-600-2B19 Maintenance Requirements Manual, CSP A-053, Part 2, Appendix D, "Fuel System Limitations":

Task Number	Task Description
28-11-00-601	Detailed Inspection of the critical bonding jumpers for corrosion and damage
28-11-00-602	Functional Check of the critical bonding jumpers
28-11-00-603	Detailed Inspection of the sealant on the in-tank LRUs
28-11-00-604	Detailed inspection of the fuel tank wiring harness clipping along the front and rear spar of the center and wing fuel tanks for condition and security

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or [www.tc.gc.ca/civilaviation/communications/centre/address.asp](http://www.tc.gc.ca/civilaviation/communications/centre/address.asp)

Canada

2. For aircraft with more than 15 000 hours air time on the effective date of this directive, carry out the initial inspection of the tasks detailed in paragraph 1 above within 5000 hours air time after the effective date of this directive.
3. Within 60 days after the effective date of this directive, revise the Transport Canada approved maintenance schedule by incorporating the following inspection and maintenance requirements as contained in Revision 7 of Canadair Regional Jet Model CL-600-2B19 Maintenance Requirements Manual, CSP A-053, Part 2, Appendix D, "Fuel System Limitations":

Task Number	Task Description
29-33-01-601	Functional Check of the hydraulic system No. 1, No. 2, and No. 3 reservoir temperature transducer
29-33-01-602	Discard of the hydraulic system No. 1, No. 2, and No. 3 reservoir temperature transducer

4. If not already accomplished, carry out the initial check of task number 29-33-01-601 detailed in paragraph 3 above within 5000 hours air time after the effective date of this directive.
5. For aircraft with more than 27500 hours air time on the effective date of this directive, carry out task number 29-33-01-602 detailed in paragraph 3 above initially within 2500 hours air time after the effective date of this directive.

**Authorization:** For Minister of Transport, Infrastructure and Communities

P. Tang  
Acting Chief, Continuing Airworthiness

**Contact:** Mr. Philip Tang, Continuing Airworthiness, Ottawa, telephone (613) 952-4365, facsimile (613) 996-9178 or e-mail [tangp@tc.gc.ca](mailto:tangp@tc.gc.ca) or any Transport Canada Centre.