



No.	CF-2001-07	1/1
Issue Date 2 February 2001		

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-2001-07

Subject: Bombardier CL-600-2B16 (CL-604) - C of G Shift due to Fuel Migration

Effective: 7 February 2001

Applicability: Bombardier Inc. CL-600-2B16 (CL-604) "Challenger" aircraft, serial numbers 5301 through 5489.

Compliance: Within two calendar days after the effective date of this directive, unless already accomplished.

Background: Due to fuel migration under conditions of acceleration and/or climb, there is a possibility that the airplane may exceed the aft centre of gravity (C of G) limit.

Corrective Actions: 1. Amend all copies of the CL-604 Airplane Flight Manual (AFM), PSP 604 1, as follows:

- (a) In Figure 02-03-01, Centre of Gravity Limits (MTOW 47,600 lb) (page 02-03-01):
 - Change the aft C of G limit to 34.5% for weights above the maximum landing weight (MLW) of 38,000 lb / 17,237 kg.
- (b) In Figure 02-03-02, Centre of Gravity Limits (MTOW 48,200 lb) (page 02-03-02):
 - Change the aft C of G limit to 34.5% for weights above the MLW of 38,000 lb / 17,237 kg.

2. Brief all flight crews of this change.

3. Insertion of Temporary Revision TR 604/13 into the AFM terminates the requirements of this directive.

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Peter von Moos, Continuing Airworthiness, Ottawa, telephone (613) 952-4428, facsimile (613) 996-9178 or e-mail vonmoop@tc.gc.ca or any Transport Canada Centre.

Other: AFM Temporary Revision TR 604/13 is being distributed by Bombardier to aircraft operators.

This directive was originally issued 2 February 2001 by facsimile and other electronic means.