
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.1 (1) of CAR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Bombardier (Canadair) CL-600 (Challenger) Series Aeroplanes

**AD/CL-600/53 Fuel Migration and Centre of Gravity Limit 7/2002
DM**

Applicability: Model CL-600-2B16 (CL-604) aircraft, serial numbers 5301 through 5489.

Requirement: Amend all copies of the CL-604 Aircraft Flight Manual (AFM), PSP 604 1, as follows:

- a. In Figure 02-03-01, Centre of Gravity Limits (MTOW 47,600lb) (page 02-03-01):

Change the aft C of G limit to 34.5% for weights above the maximum landing weight of 38,000lb / 17,237kg.

- b. In Figure 02-03-02, Centre of Gravity Limits (MTOW 48,200lb) (page 02-03-02):

Change the aft C of G limit to 34.5% for weights above the maximum landing weight of 38,000lb / 17,237kg.

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

Note 1: Transport Canada AD CF-2001-07 refers.

Compliance: Within 2 calendar days after 15 May 2002, unless already accomplished.

Bombardier (Canadair) CL-600 (Challenger) Series Aeroplanes

AD/CL-600/53 (Continued)

This Airworthiness Directive becomes effective on 15 May 2002.

Background: Due to fuel migration under conditions of acceleration and/or climb, there is the possibility that the aircraft may exceed the aft centre of gravity limit.



David Alan Villiers
Delegate of the Civil Aviation Safety Authority

8 May 2002