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No. CF-96-16R1

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.

CF-96-16R1 BOMBARDIER

Applies to Bombardier (formerly Canadair) Model CL-600-2B19 "Regional Jet" aircraft, serial numbers 7003 through 7207, inclusive.

Compliance is required as indicated, unless already accomplished.

The original issue of this directive required notification to the flight crew that uncommanded changes may occur to the copilot's air data system following a generator switching power transfer. The notification was intended as an interim action pending the availability of a permanent corrective action. Since the issuance of the original directive, it has been determined that the pilot's air data system may also experience uncommanded changes following power transfer to the air driven generator (ADG) or auxiliary power unit (APU) generator in the event of loss of primary electrical power.

To prevent uncommanded changes to the pilot's and copilot's air data systems accomplish the following:

1. Within 48 hours after the effective date of this directive for airplanes that have not yet accomplished the modification per section 2 below:

(a) Advise the flight crews to check and reset, as required, the barometric altimeter setting, altitude pre-selector, V-speed and speed bug settings before take-off and after any generator switching event.

(b) Insert a copy of Temporary Revision (TR) RJ/50-2 dated 1 June 1997, or later approved revision, in the Model CL-600-2B19 Airplane Flight Manual (AFM), Bombardier Publication CSP A-012. TR RJ/50-2 informs the flight crew of intermittent failures of the air data system resulting in uncommanded changes to the pilot's or copilot's flight instruments and advises the flight crew to check and reset certain instruments as required.

(c) Remove the copy of the original issue of this directive, or TR RJ/50, from the AFM.

2. Within 18 months after the effective date of this directive:

(a) Modify the affected airplanes by installing improved air data reference panels (ARP) and air data computers (ADC) in accordance with Bombardier Service Bulletin 601R-34-094 dated 20 June 1997, or later revisions approved by the Director, Aircraft Certification, Transport Canada.

(b) Remove Temporary Revision RJ/50-2 from the AFM.

Accomplishment of the modification per section 2 of this directive constitutes terminating action for the requirements of section 1.

Note: Bombardier Service Bulletin 601R-34-094 does not have a provision for partial incorporation of the modification and must be accomplished in full at the time of compliance.

This revision supersedes Airworthiness Directive CF-96-16 dated 23 September 1996.

This directive becomes effective 31 July 1998.

This revision is issued to update the aircraft serial numbers affected, introduce new procedures in the

Airplane Flight Manual, and to mandate incorporation of a terminating modification.

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 <http://www.tc.gc.ca/civilaviation/communications/centre/address.asp>.

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