



No.	CF-2001-21	1/1
Issue Date	23 May 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-2001-21

Subject: Bombardier CL-600-2B19 "RJ" - Cargo Compartment Smoke Detector

Effective: 29 June 2001.

Applicability: Bombardier Inc. Model CL-600-2B19 "Regional Jet" aircraft, serial numbers 7003 through 7480.

Compliance: Within 18 months after the effective date of this directive, unless already accomplished.

Background: The smoke detector in the cargo compartment has proved to be susceptible to dirt, condensation and electromagnetic interference. This has resulted in a significant number of in-flight, false "CARGO SMOKE" warning messages being posted on the EICAS. False smoke warnings undermine the effectiveness of the system to the flight crew.

Corrective Actions: Replace the existing cargo smoke detectors, P/N 473052, with new cargo smoke detectors, P/N 473597-19, in accordance with Bombardier Service Bulletin 601R-26-016 dated 23 March 2001 or later revisions approved by the Director, Aircraft Certification, Transport Canada.

Authorization: For Minister of Transport

B. Goyaniuk
Chief, Continuing Airworthiness

Contact: Mr. Ian McLellan, Continuing Airworthiness, Ottawa, telephone (613) 952-4362, facsimile (613) 996-9178 or e-mail mclelli@tc.gc.ca or any Transport Canada Centre.