



No.	CF-2011-18	1/1
Issue Date	07 July 2011	

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) 521 Division X**. 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), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF- 2011-18

Subject: Integrated Drive Generator Wire Chafing in Aft Equipment Bay

Effective: 20 July 2011

Applicability: Bombardier Inc. Aeroplanes Model CL-600-2B19, Serial Numbers 7003 and subsequent

Compliance: As indicated below, unless already accomplished.

Background: There has been one reported case of an aft equipment bay fire occurring due to arcing of chafed integrated drive generator (IDG) power cables. Additionally, the hydraulic line support brackets located at the fuselage station (FS) 672 have been found broken in service on several aeroplanes. A broken hydraulic line support bracket at FS672 could result in inadequate clearance between the IDG power cables and hydraulic lines, potentially resulting in chafing of the IDG power cables. Chafed IDG power cables can generate high energy arcing, which can result in an uncontrolled fire in the aft equipment bay.

This directive mandates the detailed visual inspection and, if required, rectification of the IDG power cables and hydraulic line support bracket.

Corrective Actions: **Part I - Detailed Visual Inspection**

Within 45 days from the effective date of this directive, perform a detailed visual inspection from FS652 to FS672, between stringers 8R and 10R for chafed IDG power cables and cracked or broken hydraulic line support bracket at FS672.

Replace any IDG power cables showing any sign of chafing or damage and replace any cracked or broken hydraulic line support brackets.

Note: Follow manufacturer standard practices when performing the above tasks.

Part II - Reporting requirements

Within 7 days after the above inspection is completed, report any findings to Bombardier Aerospace via the Bombardier Regional Aircraft Customer Response Center.

Authorization: For the Minister of Transport, Infrastructure and Communities

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Miss Helen Tsai, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail CAWWEBFeedback@tc.gc.ca or any Transport Canada Centre.