



AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.

Number:

CF-2018-37

Effective Date:

10 January 2019

ATA:

31

Type Certificate:

A-234

Subject:

Recording System – Cockpit Voice Recorder (CVR) and Flight Data Recorder (FDR) power supply modification

Applicability:

Bombardier Inc. model BD-100-1A10 aeroplanes, serial numbers 20003 through 20500, and 20501 through 20739.

Compliance:

As indicated below, unless already accomplished.

Background:

In a recent incident, it was found that a single power supply failure caused both the CVR and the FDR to be disabled.

This AD mandates a modification to the power sources for the FDR and CVR that are required safety equipment.

Corrective Actions:

Within 48 months from the effective date of this AD, modify the power sources of the FDR and CVR in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) 100-31-09, Basic Issue dated 30 October 2018, for the Challenger 300 aeroplanes, or in accordance with the Accomplishment Instructions of Bombardier SB 350-31-004, Basic Issue dated 30 October 2018, for the Challenger 350 aeroplanes, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 27 December 2018

Contact:

Marie-Claude Cardinal, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.