



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) with ADs.

Number:

CF-2020-36

Effective Date:

22 October 2020

ATA:

27

Type Certificate:

A-236

Subject:

Flight Controls – Software Update

Applicability:

Airbus Canada Limited Partnership (formerly C Series Aircraft Limited Partnership (CSALP), Bombardier Inc.) aeroplanes:

Model BD-500-1A10, serial numbers 50010 through 50018, and 50020 through 50055,

Model BD-500-1A11, serial numbers 55003 through 55016, 55018 through 55068, 55070 through 55084, 55086, and 55087.

Compliance:

Before accumulating more than 12 000 total hours air time from the date of manufacture of the aeroplane as identified on the aeroplane's identification plate, or no later than 56 months or 9350 hours air time from the effective date of this AD, whichever occurs first.

Background:

This AD was prompted by reports of deficiencies in the primary flight control computer (PFCC) and remote electronics unit (REU) software. This AD requires installation of a software update to correct deficiencies in the PFCC and REU software, which if not corrected and in combination with other failures could prevent continued safe flight and landing.

Corrective Actions:

Install software update part number (P/N) 810-0337-007 on the three (3) PFCCs and REU software update P/N C05500026-009 on the 10 REUs in accordance with Airbus Canada Service Bulletin BD500-270013, Issue 001, dated 17 July 2020 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

A PFCC or REU software version approved after the effective date of this AD by Transport Canada and installed in accordance with aeroplane modification instructions approved by Transport Canada also meets the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 8 October 2020

Contact:

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