



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-2026-18

Effective Date:

7 May 2026

ATA:

31

Type Certificate:

A-236

Subject:

Indicating/Recording Systems – Integrated Modular Avionics Application (IMAA) Software Deficiencies

Applicability:

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

Model BD-500-1A10, serial numbers 50001 through 50065, 50067 through 50085, 50087, and 50088,

Model BD-500-1A11, serial numbers 55001 through 55481, 55483, and 55486.

Compliance:

Within 12 months from the effective date of this AD, unless already accomplished.

Background:

Multiple in-service reports have identified deficiencies in the IMAA software, including erroneous autothrottle (AT) mode activations during various flight phases and unintended AT disconnects during takeoff and in flight. Further design reviews conducted by ACLP identified additional deficiencies that could result in erroneous Crew Alerting System inhibits and incorrect flight guidance.

If not corrected, these deficiencies could significantly increase flight crew workload and result in large reduction in safety margins, consequently affecting continued safe flight and landing.

To address this unsafe condition, this AD mandates the upload of IMAA Software version V6.5 (Build 8.0A3), including the associated configuration files and databases.

Corrective Actions:

- A. Upload the IMAA software (Avionics Software version V6.5, Build 8.0A3), together with the applicable databases and configuration files, in accordance with the procedure in Section 3 of Part A and Part B, as applicable, of the Accomplishment Instructions of ACLP Service Bulletin (SB) BD500-314005, Issue 002, dated 30 March 2026 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Jenny Young
Chief, Continuing Airworthiness
Issued on 23 April 2026

Contact:

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