



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-2015-20

Effective Date:

21 July 2015

ATA:

34

Type Certificate:

A-131

Subject:

Navigation – Flight Instruments – Unreliable Air Data in the Cockpit

Applicability:

Bombardier Inc. model CL-600-2C10 aeroplanes, serial numbers 10002 and subsequent.

Compliance:

Within 30 days from the effective date of this AD, unless already accomplished.

Background:

Two in-service incidents have been reported on CL-600-2C10 aeroplanes regarding a loss of all air data information in the cockpit. The air data information was recovered as the aeroplane descended to lower altitudes. An investigation determined that the root cause in both events was high altitude icing (ice crystal contamination). If not addressed, this condition may affect continued safe flight.

Due to similarities in the air data systems, such events could happen on all Bombardier CRJ models, CL-600-2B19, CL-600-2C10, CL-600-2D15, CL-600-2D24 and CL-600-2E25. Therefore, the corrective actions for these models will be mandated once their respective Airplane Flight Manual (AFM) revisions become available.

This AD mandates the incorporation of AFM procedures to guide the crew to stabilize the aeroplanes airspeed and attitude for continued safe flight.

Corrective Actions:

Amend the Transport Canada approved AFM by incorporating the procedure for Unreliable Airspeed as detailed in Revision 15, Section 03-19-1 - Emergency Procedures, dated 16 March 2015, or later revisions of this procedure approved by Transport Canada.

Following incorporation of the above mentioned procedure, advise all flight crews of the changes in the Emergency Procedures for Unreliable Airspeed.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Remy Knoerr
Chief, Continuing Airworthiness
Issued on 7 July 2015

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