



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-2019-41

Effective Date:

21 November 2019

ATA:

30

Type Certificate:

A-131

Subject:

Ice and Rain Protection – Wing Anti-Ice System – Additional Operating Limitations

Applicability:

Bombardier Inc. model CL-600-2B19 aeroplanes, all serial numbers.

Compliance:

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

Background:

A CRJ200 aircraft recently experienced a wing stall (wing drop/uncommanded roll) during landing flare. A post-landing visual inspection identified a thin layer of ice on the wing leading edges. The wing leading edges showed ice coverage typical of a brief encounter with light/trace icing. During the descent, the ice detector system did not detect the presence of ice on the left or right wing prior to the landing, and no annunciations were present on the Engine Indication and Crew Alerting System (EICAS) related to icing. Investigation revealed that the operator had followed Airplane Flight Manual (AFM) procedures, which did not require the wing anti-ice system to be selected to <ON> if air speed is above 230 Knots.

This AD mandates the introduction of revised AFM criteria for selecting the wing anti-ice system <ON> to mitigate the risk of landing with ice accumulation on the wing leading edges.

Corrective Actions:

- A. Incorporate the changes to the AFM, Chapter 2 LIMITATIONS - Operating Limitations - Operating in Icing Conditions and Chapter 4 - NORMAL PROCEDURES - Consolidated Procedures - PRIOR TO LANDING using the revised AFM procedures approved by Transport Canada as introduced by AFM CSP A-012, Revision 72, dated 12 July 2019, or later revisions of these procedures approved by Transport Canada.
- B. Following incorporation of the above-mentioned AFM revisions, advise all flight crews of the changes introduced by these revisions.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 7 November 2019

Contact:

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