



# AIRWORTHINESS DIRECTIVE

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*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-2018-24

**Effective Date:**

4 October 2018

**ATA:**

30

**Type Certificate:**

A-131

**Subject:**

Cold Weather Operations – Introduction of Low Ground Temperature Wing Anti-Ice Procedure

**Applicability:**

Bombardier Inc. model CL-600-1A11 (Challenger 600) aeroplanes, serial numbers 1001 through 1085.

**Compliance:**

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

**Background:**

Accumulation of snow, slush or ice on the wing leading edges and upper wing surfaces during prolonged ground operations can severely reduce the controllability of the aeroplane during take-off. This accumulation could cause a premature stall with an uncontrollable wing drop at low altitude, which in turn could result in the loss of the aeroplane.

To prevent take-off with contaminated wings, Transport Canada requested a change to the Aircraft Flight Manual (AFM) to mandate activation of the Wing Anti-Ice system if the outside temperature is 5 degrees Celsius or below.

**Corrective Actions:**

Amend the Transport Canada approved AFM by incorporating the PSP 600 Revision A108 or PSP 600-1 Revision 99 as applicable, dated 6 July 2017, or later revisions of this procedure approved by Transport Canada. These revisions added a new procedure in the Operating Limitations section and requires activation of the Wing Anti-Ice System if the Outside Air Temperature (OAT) is 5 degrees Celsius or below.

Following incorporation of the above mentioned procedure, advise all flight crews of the changes in the AFM Operating Limitations for activating the Wing Anti-Ice system.

**Authorization:**

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 20 September 2018

**Contact:**

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