



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-2019-31

Effective Date:

20 September 2019

ATA:

30

Type Certificate:

A-236

Subject:

Ice and Rain Protection – Insufficient Engine Core Ventilation Resulting in Higher Engine Core Temperatures

Applicability:

Airbus Canada Limited Partnership (formerly C Series Aircraft Limited Partnership, Bombardier Inc.) model BD500-1A11 aeroplanes, serial numbers 55018, 55019, 55022, 55024, 55026, 55028, 55031 and 55035.

Compliance:

Within 850 hours air time or 6 months, whichever occurs first, from the effective date of this AD.

Background:

During flight testing, it was discovered that under certain combinations of aeroplane configuration and flight conditions, higher than anticipated temperatures could lead to an Engine Fire Warning nuisance message. This nuisance message could cause the aircrew to shutdown an engine unnecessarily, which in combination with other failures, may lead to an unsafe condition.

Integrated Air Systems Controller (IASC) software version 5.0 is now available which will prevent the nuisance message from appearing by reducing the high pressure/intermediate pressure switch point under certain conditions.

Corrective Actions:

Install IASC software version 5.0 in accordance with the Accomplishment Instructions of Bombardier Service Bulletin (SB) BD500-219001 Issue 002, dated 11 September 2018, or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.

Accomplishment of Issue 001 of the above-mentioned SB, dated 3 August 2018, prior to the effective date of this AD, also meets the intent of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 6 September 2019

Contact:

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