



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-2018-31

Effective Date:

12 December 2018

ATA:

32

Type Certificate:

A-131

Subject:

Landing Gear System – Alternate Extension System – Introduction of New Airworthiness Limitation

Applicability:

Bombardier Inc. model CL-600-2C10, CL-600-2D15, and CL-600-2D24 aeroplanes.

Compliance:

As indicated below, unless already accomplished

Background:

During the Bombardier Maintenance Review Board (MRB) inspection escalation interval project, it was discovered that the current interval of 8000 hours air time and previous interval of 6000 hours air time for the MRB Task 320100-203 "Operational Check of the Landing Gear Alternate Extension System (AES)" does not meet the certification criteria to cover for all critical AES failure modes. For this reason, a new Certification Maintenance Requirement (CMR) task needs to be implemented in the maintenance program at a shorter interval of 1600 hours air time.

This AD mandates a new CMR task for an operational check of the AES with interval of 1600 hours air time.

Corrective Actions:

Within 30 days from the effective date of this AD, revise the Transport Canada approved maintenance schedule by incorporating a new inspection requirement for Airworthiness Limitations (ALI) task number 32-01-00-102 as introduced by Temporary Revision (TR) ALI-0652 of the Bombardier Regional Jet Maintenance Requirements Manual, Part 2, Section 1-32, "Airworthiness Limitations", in accordance with the following schedule:

Aeroplane hours air time	Compliance
For aircraft with 4400 hours air time or less from the last inspection as per MRB 320100-203	Within 1760 hours air time from the effective date of this AD.
For aircraft with more than 4400 hours air time from the last inspection as per MRB 320100-203	Within next 880 hours air time from the effective date of this AD.

Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Rémy Knoerr
Chief, Continuing Airworthiness
Issued on 28 November 2018

Contact:

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