



No.	CF-2014-16	1/1
Issue Date	11 June 2014	

AIRWORTHINESS DIRECTIVE

The following airworthiness directive (AD) may be applicable to an aircraft which our records indicate is registered in your name. ADs are issued pursuant to **Canadian Aviation Regulation (CAR) 521 Division X**. Pursuant to **CAR 605.84** and the further details of **CAR Standard 625, Appendix H**, the continuing airworthiness of a Canadian registered aircraft is contingent upon compliance with all applicable ADs. Failure to comply with the requirements of an AD may invalidate the flight authorization of the aircraft. Alternative means of compliance shall be applied for in accordance with **CAR 605.84** and the above-referenced **Standard**.

This AD has been issued by the Continuing Airworthiness Division (AARDG), National Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

Number: CF-2014-16

ATA: 32 **Type Certificate:** A-131

Subject: Landing Gear - Alternate Extension System (AES) – Incorporation of New Certification Maintenance Requirement

Effective: 25 June 2014

Applicability: Bombardier Inc. model CL-600-2E25 aeroplanes, serial number 19002 and subsequent.

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

Background: During a design review, an error was identified which led to the development of a new certification maintenance requirement (CMR) task. Without an effective maintenance task to maintain the aeroplane's inherent level of safety, there is a potential that a dormant failure of the alternate release system of the landing gear could occur. Failure of the landing gear alternate release system could prevent the landing gear from extending in the case of a failure of the normal landing gear extension system.

This AD mandates the incorporation of a new maintenance task to ensure operation of the landing gear alternate extension system.

Corrective Actions: A. Amend the Transport Canada approved maintenance schedule by incorporating task number 32-01-00-101 – Operational Check of the MLG and NLG AES EMA and Release Mechanism (CRJ1000), as introduced by Temporary Revision (TR) ALI-0472 of the Maintenance Requirements Manual, CSP B-053, Part 2, dated 27 February 2014.

Note: MLG – Main Landing Gear
NLG – Nose Landing Gear
EMA – Electro-mechanical Actuator

Compliance with superseding Temporary Revision (TR) or later revisions of the above-mentioned Maintenance Requirements Manual approved by Transport Canada also meets the requirements of this AD.

B. Phase-in for aeroplanes that have accumulated 540 hours air time or more as of the effective date of this AD: within 660 hours air time from the effective date of this AD, perform initial operational check 32-01-00-101.

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Helen Tsai, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.

Pursuant to **CAR 202.51** the registered owner of a Canadian aircraft shall, within seven days, notify the Minister in writing of any change of his or her name or address.

To request a change of address, contact the **Civil Aviation Communications Centre (AARC)** at Place de Ville, Ottawa, Ontario K1A 0N8, or 1-800-305-2059, or www.tc.gc.ca/civilaviation/communications/centre/address.asp

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