



No.	CF-2008-16R1	1/2
Issue Date	20 August 2008	

# 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) 593**. 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), Aircraft Certification Branch, Transport Canada, Ottawa, telephone 613 952-4357.

- Number:** CF-2008-16R1
- Subject:** Enhancement to Takeoff Operational Safety Margins
- Effective:** 3 September 2008
- Revision:** Supersedes Airworthiness Directive CF-2008-16 issued on 10 March 2008
- Applicability:** All Bombardier Inc. CL-600-1A11, CL-600-2A12 and CL-600-2B16 aircraft
- Compliance:** When indicated, unless already accomplished.
- Background:** Following three recent accidents/incidents where Bombardier CL-600-2B19/CL-600-2B16 aircraft experienced un-commanded roll during take-off, Transport Canada Civil Aviation (TCCA) has determined that it is necessary to further enhance the Airplane Flight Manual (AFM) limitations and procedures to ensure safe operation, particularly in cold weather or icing conditions.

The original issue of this directive mandated the introduction of additional limitations and procedures to the AFM and required that any operator's Pilot's Checklist fully reflects these procedures. In order not to compromise the takeoff operational safety margin, strict adherence to all the AFM procedures and limitations was required.

Revision 1 of this directive mandates the amendment of the AFM Limitations Section which, in addition to retaining the limitations and procedures introduced at previous AFM temporary revisions, now also requires specific pilot training on or before 1 November 2008 with regard to enhanced take-off procedures and winter operations.

**Corrective Actions:**      **Part I – AFM Changes**

Within 14 days after the effective date of this directive, accomplish the following:

1. Amend the AFM by inserting the following applicable Temporary Revision (TR):

CL-600-1A11 (CL-600):

- PSP 600 (DOT)      TR 600/26-2, dated 7 August 2008
- PSP 600-1 (DOT)    TR 600-1/22-2, dated 7 August 2008

CL-600-2A12 (CL-601):

- PSP 601-1A          TR 601/30-2, dated 7 August 2008
- PSP 601-1A-1        TR 601/18-2, dated 7 August 2008
- PSP 601-1B          TR 601/22-2, dated 7 August 2008
- PSP 601-1B-1        TR 601/17-2, dated 7 August 2008

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](http://www.tc.gc.ca/civilaviation/communications/centre/address.asp)



CL-600-2B16 (CL-601-3A/3R):

PSP 601A-1	TR 601/29-2, dated 7 August 2008
PSP 601A-1-1	TR 601/30-2, dated 7 August 2008

CL-600-2B16 (CL-604):

PSP 604-1	TR 604/24-2, dated 7 August 2008
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CL-600-2B16 (CL-605):

PSP 605-1	TR 605/1-2, dated 7 August 2008
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Note: This AD is applicable to all Challenger CL-600, 601, 601-3A/3R, 604 and 605 models. If the operator has an AFM that is not listed above, consult Bombardier Aerospace.

2. Insert a copy of this directive in the applicable AFM.
3. Advise all flight crews on the changes introduced through the applicable AFM TR.

#### **Part II – Operator’s Pilot’s Checklist**

Within 14 days after 12 March 2008 (the effective date of the original issue of this directive), review the “Pilot’s Checklist” to ensure that the instructions regarding selection of the wing anti-ice system to “ON”, as specified in the AFM Limitations Section, are incorporated.

**Authorization:** For Minister of Transport, Infrastructure and Communities

Derek Ferguson  
Acting Chief, Continuing Airworthiness

**Contact:** Mr. Richard Topham, Continuing Airworthiness, Ottawa, telephone 613-952-4428, facsimile 613-996-9178 or e-mail tophamr@tc.gc.ca or any Transport Canada Centre.