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| No. | CF-2010-32 | 1/1 |
| Issue Date | 30 September 2010 | |

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-2010-32
- Subject:** Over-torque of Tailboom Attachment Hardware
- Effective:** 13 October 2010
- Applicability:** Bell Helicopter Textron Canada Ltd. Model 427 helicopter serial number 56001 through 56084, 58001 and 58002.
- Compliance:** Within 150 hours air time or 90 days, whichever comes first after the effective date of this directive, unless already accomplished.
- Background:** A review of the tailboom attachment installation has determined that the torque value of the tailboom attachment bolts specified in the maintenance manual and applied during manufacturing, exceeded the torque range recommended for the bolts.
- This situation, if not corrected, can lead to bolt failure, detachment of the tailboom and loss of control of the helicopter. To correct the problem, the tailboom attachment hardware has to be replaced.
- Corrective Actions:** Replace the tailboom attachment hardware and perform a torque check of the tailboom attaching bolts/nuts at all four attachment positions at intervals of no less than 1 but not exceeding 5 hours air time following hardware replacement until torque stabilizes at all positions. Carry out the above corrective actions in accordance with instructions outlined in Bell Helicopter Alert Service Bulletin 427-10-31, dated 1 March 2010 or later revisions approved by the Chief, Continuing Airworthiness, Transport Canada.
- Authorization:** For Minister of Transport, Infrastructure and Communities
- ORIGINAL SIGNED BY*
- Derek Ferguson
Chief, Continuing Airworthiness
- Contact:** Bogdan Gajewski, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail CAWWEBFeedback@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

