Transport Canada Transports Canada

TP 7245E

No. CF-2005-33 1/1

Issue Date 26 August 2005

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-2005-33**

Subject: **Main Rotor Overspeed When Switching FADEC to Manual Mode**

Effective: 26 September 2005

Applicability: Bell Helicopter Textron Canada (BHTC) Model 430 helicopters, serial numbers 49001 through 49110.

Compliance: As indicated.

Background: Rolls Royce has determined that a restriction in the P1 nozzle screen can result in a main rotor overspeed when the full authority digital engine control (FADEC) is switched to manual mode. The selection of FADEC to manual mode at ground idle will identify a contaminated P1 nozzle screen if the gas producer speed increases beyond specified limits as identified in the flight manual.

Corrective Actions: **Rotorcraft Flight Manual Amendment**

Within 10 calendar days after the effective date of this directive, insert flight manual revision BHT-430-FM-1, Temporary Revision (TR) 16, dated 29 June 2005, or later revisions approved by Transport Canada.

Authorization: For Minister of Transport

R. William Taylor
Acting Chief, Continuing Airworthiness

Contact: Mr. Bill Taylor, Continuing Airworthiness, Ottawa, telephone 613 952-4366, facsimile 613 996-9178 or e-mail taylorw@tc.gc.ca or any Transport Canada Centre.