AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.001(1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Bell Helicopter Textron Canada (BHTC) 407 Series Helicopters

AD/BELL 407/29 — Horizontal Stabiliser Skin at the Tailboom Attachment Inserts — 7/2007 DM

Applicability: Model 407 helicopters.

Requirement:

1. Verify the serial number of the horizontal stabiliser in accordance with Part I of BHTC Alert Service Bulletin (ASB) 407-06-72 original issue, or later Transport Canada approved revision.

   If the horizontal stabiliser installed on the helicopter has a serial number listed below, accomplish Requirement 2.

   Affected Serial Numbers:

   BP725, -750, -751, -752, -753, -756, -758, -760, -765, -769, -770, -771, -775, -776, -778, -779, -780, -781, -785, -787, -788, -789, -790, -795, -796, -797, -800, -801, -802, -803, -805, -829.

2. Inspect the affected parts in accordance with Part II of ASB 407-06-72 original issue, or later Transport Canada approved revision.

   If damaged parts are detected during any inspection, replace the parts before further flight. If parts are not damaged, repeat the inspection.

3. Replace the affected horizontal stabiliser in accordance with Part III of ASB 407-06-72 original issue, or later Transport Canada approved revision.

Note: Transport Canada AD CF-2007-03 refers.

Compliance:

1. Within 100 hours time in service after 8 May 2007, but no later than 8 June 2007; unless already accomplished.

2. Initially at the time of Requirement 1 compliance, if affected. Repetitively inspect thereafter at intervals not to exceed 600 flight hours or the annual inspection, whichever occurs first; until accomplishment of Requirement 3.

3. No later than 30 September 2008.

This Airworthiness Directive becomes effective on 8 May 2007.

Bell Helicopter Textron Canada (BHTC) 407 Series Helicopters

AD/BELL 407/29 (continued)

Background: Horizontal stabilisers part number 407-023-801-109 may have manufacturing flaws on the inside surface of the upper and/or lower skin at the tailboom attachment inserts. These flaws may result in cracking of the skin and failure of the horizontal stabiliser.

David Villiers
Delegate of the Civil Aviation Safety Authority

2 May 2007