

# PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

## CAA-AD-T-004/1999R3

Nahrazuje CAA-AD-T-004/1999R2

Datum vydání: 10. března 2000

## VRTULNÍK - POTAH OCASNÍHO NOSNÍKU - KONTROLA

**Týká se:** vrtulníků vyrobených firmou Bell Helicopter Textron Canada (BHTC) typů 206L, výrobních čísel (S/N) 45004 až 45049, 45051 až 45153, 46601 až 46617; 206L-1 S/N 45154 až 45790; 206L-3 S/N 51001 až 51612; 206L-4 S/N 52001 až 52163, 52165 až 52212, 52214 až 52216; 206L-4T všech výrobních čísel, certifikovaných v kterékoliv kategorii.

**Důvod vydání:** objeveny trhliny na potahu ocasního nosníku v oblasti horizontálního stabilizátoru u nejméně 7 vrtulníků.

**Datum účinnosti:** 20. dubna 2000

**Provést v termínech:** jak je popsáno v TC AD CF-1998-42R3 (příloha tohoto PZZ).

**Postup provedených prací:**dle pokynů v TC AD CF-1998-42R3.

*Poznámky: Provedení tohoto PZZ musí být zapsáno do letadlové knihy. Případné dotazy týkající se tohoto PZZ adresujte na ÚCL technický inspektorát - Ing. B.Fiala. Pokud to vyžaduje povaha tohoto PZZ musí být zpracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla. Tento PZZ byl vypracován na základě TC AD CF-1998-42R3, který nahrazuje TC AD CF-98-42R2.*

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**Úřad pro civilní letectví**

### CF-1998-42R3 BELL

Applies to the following Bell Helicopter Textron Canada (BHTC) Model 206L series helicopters:

- (i) 206L S/N 45004 through 45049, 45051 through 45153, and 46601 through 46617;
- (ii) 206L-1 S/N 45154 through 45790;
- (iii) 206L-3 S/N 51001 through 51612;
- (iv) 206L-4 S/N 52001 through 52163, 52165 through 52212, and 52214 through 52216.

Compliance is required as indicated, unless already accomplished.

There have been at least seven reports of cracks to the tail boom skin in the area of the horizontal stabilizer. The cracks were found by normal visual inspection. The average time accumulated on the tail booms was more than 2000 hours; however, cracks could develop at any time. A review of crack growth rates after Airworthiness Directive (AD)

CF-98-42 was issued indicated a need to detect cracks earlier. This necessitated the use of non destructive inspections of the tail boom skin under the support plates. As an interim measure, these inspections were mandated by CF-9842R1. CF-98-42R2 mandated Alert Service Bulletin (ASB) 206L-99-115 Revision A, which introduced the reinforcement of the tail boom skin around the left horizontal stabilizer cutout, together with instructions for improved installation of the horizontal stabilizer and its supports. Accomplishment of ASB 206L-99-115 Revision A constituted terminating action to ASB 206L-98-114 as mandated by CF-98-42R1.

This revision clarifies the applicability of Model 206L serial numbers and extends the compliance time for paragraph 6 to 31 December 2000.

To ensure the early detection of cracks and the structural integrity of the tail boom, accomplish the following:

1. Initially, before the next flight after the effective date of this directive, perform a visual inspection of the tail

boom in accordance with Bell Helicopter Textron (BHT) Alert Service Bulletin (ASB) 206L-98-114, or its Revision A dated 31 January 2000 or later revisions approved by the Director, Aircraft Certification, Transport Canada.

2. Within 50 hours air time after the effective date of this directive:

(a) Remove the upper and lower supports of the horizontal stabilizer in accordance with the applicable sections of the Maintenance Manual.

(b) In accordance with section 62 of Standard Practices Manual BHT-ALL-SPM, perform a one-time fluorescent penetrant inspection of the tail boom skin in the area at least 3/4 inch around the edges of the horizontal stabilizer openings.

3. Subsequently, before the first flight of each day perform a visual inspection of the tail boom in accordance with the above noted ASB 206L-98-114.

Note: While away from technical support, this visual check may be done by pilots as part of the Preflight Check. To exercise this option, pilots must first be trained by a technician on the requirements of ASB 206L-98-114, Figure I.

4. At every 100 hours air time, plus 10 hours, remove the support plates and visually inspect for cracks the entire edge of the horizontal stabilizer opening on both sides of the tail boom, using a 10X magnifying glass.

5. If a crack is found on the tail boom skin as a result of one of the above inspections, replace the tail boom before the next flight. Report findings to Transport Canada, Continuing Airworthiness Division (AARDG) at facsimile (613) 996-9178 by use of a Service Difficulty Report form, and to Bell Helicopter Textron Canada - Product Support Engineering at facsimile (450) 433-0272.

6. No later than 31 December 2000, modify the tail boom in accordance with Parts I, II and III of BHT ASB 206L-99-115 Revision D, dated 26 January 2000, or later Transport Canada approved revisions. Installation of the doubler terminates all actions required by paragraphs 1 through 5 of this directive.

This revision supersedes Airworthiness Directive CF-98-42R2 issued 22 July 1999.

This directive retains the 31 March 1999 effective date of ADs CF-98-42R1 and CF-98-42R2.

For Minister of Transport

B. Goyaniuk

Chief, Continuing Airworthiness

For further information contact a Transport Canada Centre, or Mr. Bogdan Gajewski, Continuing

Airworthiness, Ottawa, telephone (613) 952-4450, facsimile (613) 996-9178 or e-mail [gajewsb@tc.gc.ca](mailto:gajewsb@tc.gc.ca).