



No.	CF-2014-26	1/3
Issue Date	15 August 2014	

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-2014-26

ATA: 20 **Supplemental Type Certificate (STC):** SH98-35

Subject: Standard Practices - Helicopter External Transport System (HETS) – Unapproved Parts, Inadequate Service Life Limits and Maintenance Requirements

Effective Date: 28 August 2014

Applicability: HETS certified under Transport Canada Supplemental Type Certificate (STC) SH98-35, Issue 1 and Issue 2.

Note: These HETS are eligible for installation on the following helicopter models:

Bell Helicopter Textron Canada Ltd. model 206B, 206L, 206L-1, 206L-3, 206L-4 and 407.

Airbus Helicopters (formerly Eurocopter France) model AS350 B, AS350 B1, AS350 B2, AS350 B3, AS350 BA and AS350 D.

Airbus Helicopters (formerly Eurocopter) model AS355 E, AS355 F, AS355 F1 and AS355 F2.

MD Helicopter Inc. model 369, 369A, 369H, 369HM, 369HS, 369HE, 369D, 369E, 369F, 369FF and 500N.

Compliance: As indicated below, unless already accomplished.

Background: It has been determined that an unsafe condition exists due to the application of unapproved maintenance and inspection tasks, and the inadequate service life limits for the HETS components. In addition, certain HETS components were found to be lacking the proper manufacturing approval. This condition, if not corrected, could result in failure of HETS components and unintended release of the helicopter's external load.

Corrective Actions: **Part I – Component Removal**

- A. Within 120 days from the effective date of this AD, remove from service the HETS components with an unknown manufacturing date, or components with time-since-manufacture exceeding the time between overhaul (TBO) calendar times specified in Emergco Overhaul Schedule document OHR-HETS-100-00-00 revision NI, dated 31 March 2014 or later revisions approved by Transport Canada Civil Aviation (TCCA).
- B. Within 12 months from the effective date of this AD, remove from service the HETS components manufactured prior to 1 January 2013.

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

Canada

- C. Within 4 years from the date of manufacture, remove from service the HETS components manufactured on or after 1 January 2013.

Part II – Inspection for Conformity

- A. Within 120 days from the effective date of this AD, for HETS components manufactured on or after 1 January 2008 but prior to 1 January 2013, return the components to the manufacturer for a conformity inspection, using the applicable drawings listed in TCCA approved Bellis Investments Ltd. Master Drawing List D191M-96-50 revision I, having an approval date of 28 April 2014. Replace each non-conforming HETS component with a serviceable component prior to returning the HETS to service.

Part III – Inspection for Condition

- A. Within 120 days from the effective date of this AD, carry out an inspection of the HETS components manufactured prior to 1 January 2013, in accordance with the applicable Emergco Instructions for Continued Airworthiness (ICA) listed in Table 1 below. The inspection shall be carried out by an appropriately-rated Approved Maintenance Organization (AMO). If any discrepancy is found, replace each discrepant HETS component with a serviceable component prior to returning the HETS to service.
- B. Within 120 days from the effective date of this AD or 12 months from the date of manufacture of the HETS component, whichever occurs later, carry out an initial inspection of the HETS components manufactured on or after 1 January 2013, in accordance with the applicable Emergco ICA listed in Table 1 below. Thereafter, repeat the inspection at intervals not to exceed 12 months. The inspections shall be carried out by an appropriately-rated AMO. If any discrepancy is found, replace each discrepant HETS component with a serviceable component prior to returning the HETS to service.

Table 1

Helicopter Model	Emergco ICA (Maintenance Manual Supplement)
Airbus Helicopters AS350/355 Series	MMS-AS350/55-1002 Revision B, dated 12 March 2014, or later revisions accepted by TCCA
Bell Helicopter Textron Canada Ltd. model 206B and 206L Series	MMS-B206-1001 Revision B, dated 1 May 2014, or later revisions accepted by TCCA
Bell Helicopter Textron Canada Ltd. model 407	MMS-B407-1004 Revision B, dated 1 May 2014, or later revisions accepted by TCCA
MD Helicopter Inc. model 369 Series and 500N	MMS-MD500-1003 Revision B, dated 1 May 2014, or later revisions accepted by TCCA

Part IV – Incorporation of Flight Manual Supplement

- A. Within 60 days from the effective date of this AD, amend the flight manual of each helicopter that is equipped with affected HETS listed in the applicability section of this AD by incorporating the applicable Emergco Flight Manual Supplement listed in Table 2 below and inform all flight crew of the amendment.

Table 2

Helicopter Model	Emergco Flight Manual Supplement
Airbus Helicopters model AS350 Series equipped with belly-mounted cargo hook part number ECL048	FMS-AS350-1001 Revision B, dated 31 March 2014, or later revisions approved by TCCA
Airbus Helicopters model AS350/355 Series equipped with swing-mounted cargo hook part number ECL049	FMS-AS350/55-1002 Revision B, dated 31 March 2014, or later revisions approved by TCCA
Bell Helicopter Textron Canada Ltd. model 206B Series	FMS-B206B-1003 Revision B, dated 31 March 2014, or later revisions approved by TCCA
Bell Helicopter Textron Canada Ltd. model 206L Series	FMS-B206L-1004 Revision B, dated 31 March 2014, or later revisions approved by TCCA
Bell Helicopter Textron Canada Ltd. model 407	FMS-B407-1007 Revision B, dated 31 March 2014, or later revisions approved by TCCA
MD Helicopter Inc. model 369 Series and 500N equipped with Gajon Associates Limited belly pod (STC SH78-1)	FMS-MD500P-1006 Revision B, dated 31 March 2014, or later revisions approved by TCCA
MD Helicopter Inc. model 369 Series and 500N not equipped with Gajon Associates Limited belly pod (STC SH78-1)	FMS-MD500D-1005 Revision B, dated 31 March 2014, or later revisions approved by TCCA

Authorization: For the Minister of Transport,

ORIGINAL SIGNED BY

Derek Ferguson
Chief, Continuing Airworthiness

Contact: Philip Tang, Continuing Airworthiness, Ottawa, telephone 613-952-4357, facsimile 613-996-9178 or e-mail AD-CN@tc.gc.ca or any Transport Canada Centre.