



## 適航指令發布單 Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2019-01-001	發布日期 Date issued	2019/1/10
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	HETST <sup>TM</sup> certified under Transport Canada Supplemental Type Certificate (STC) SH98-35, Issue 1 and Issue 2 installed 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 AS 350 B, AS 350 B1, AS 350 B2, AS 350 B3, AS 350 BA and AS 350 D. Airbus Helicopters (formerly Eurocopter France) model AS 355 E, AS 355 F, AS 355 F1 and AS 355 F2. MD Helicopter Inc. model 369, 369A, 369H, 369HM, 369HS, 369HE, 369D, 369E, 369F, 369FF and 500N.		
主旨摘要	Standard Practices – Helicopter External Transport System (HETST <sup>TM</sup> ) - Unapproved Parts, Inadequate Service Life Limits and Maintenance Requirements		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> FAA  <input type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input checked="" type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC             </div> <div style="width: 48%;"> <input type="checkbox"/> Germany LBA  <input type="checkbox"/> CAA-NL  <input type="checkbox"/> UK CAA  <input type="checkbox"/> Japan CAB  <input type="checkbox"/> CAA of Israel  <input type="checkbox"/> Other _____             </div> </div>		
	設計國 AD 編號 Original AD number	CF-2019-01	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 20. Supersedes AD CF-2014-26(CAA-2014-08-005), issued 15 August 2014.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



# AIRWORTHINESS DIRECTIVE

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*This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.*

**Number:**

CF-2019-01

**Effective Date:**

22 January 2019

**ATA:**

20

**Supplemental Type Certificate:**

SH98-35

**Subject:**

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

**Replacement:**

Supersedes AD CF-2014-26, issued 15 August 2014.

**Applicability:**

HETS™ certified under Transport Canada Supplemental Type Certificate (STC) SH98-35, Issue 1 and Issue 2 installed 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 AS 350 B, AS 350 B1, AS 350 B2, AS 350 B3, AS 350 BA and AS 350 D.

Airbus Helicopters (formerly Eurocopter France) model AS 355 E, AS 355 F, AS 355 F1 and AS 355 F2.

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

**Important note:** HETS™ approved under SH98-35 are only eligible for installation on helicopter models listed above and they are not eligible for any other models not specifically listed above (Example: not eligible for installation on AS 355 N or AS 355 NP).

**Compliance:**

As indicated below, unless already accomplished.

**Background:**

Transport Canada has determined that an unsafe condition exists due to deviations from approved maintenance and inspection tasks, and erroneous interpretation of published service life limits for the HETS™ components. In addition, some in-service HETS™ components were found to be lacking the required manufacturing approval. This condition, if not corrected, could result in the failure of HETS™ components and the unintended release of the helicopter's external load.

This AD also mandates corrective actions specific to the Remote Safety Hook (RSH) component of the HETS™: the intent of AD CF-2014-26 was to permanently remove all HETS™ RSH from service. The corrective actions for RSH that are included in this AD are issued to remove HETS™ 'configuration B' from service. Operators wishing to continue using HETS™ are required to operate in 'configuration A', which relies on a belly band as a secondary means of attaching HETS™ to the helicopter.

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

- A. From the effective date of this AD, remove all RSH part number (P/N) RR01-100-00-00 from service.
- B. From the effective date of this AD, it is prohibited to install any RSH P/N RR01-100-00-00.
- C. Within 14 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).
- D. 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 Condition**

- A. Within 12 months from the date of manufacture of the HETS™ component, carry out an initial inspection of the HETS™ components manufactured on or after 1 January 2013, in accordance with the applicable Emergco Instructions for Continued Airworthiness (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 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.

**Part III – Incorporation of Flight Manual Supplement**

- A. 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 1**

<b>Helicopter Model</b>	<b>Emergco ICA (Maintenance Manual Supplement)</b>
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

**Table 2**

<b>Helicopter Model</b>	<b>Emergco Flight Manual Supplement</b>
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*

Rémy Knoerr  
Chief, Continuing Airworthiness  
Issued on 8 January 2019

**Contact:**

Ross McGowan, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail [AD-CN@tc.gc.ca](mailto:AD-CN@tc.gc.ca) or any Transport Canada Centre.