SERVICE BULLETIN

TITLE: External load system - Alternative method of counting cycles for Goodrich 763xx family hoists

SB Type: Protective measure

APPLICABILITY

Model:	AS365
Version:	F , Fi , Fs , K , K2 , N , N1 , N2 , N3
Component affected:	76375 and 76375-030 and 76375-060 and 76375-100 and 76375-130 and 76375-160 and 76375-260 and 76375-360 and 76378 and 76378-060 and 76378-100 and 76378-160 and 76378-260 and 76378-260D and 76378-360 and 710176 and 710176-100 and 710617 and 710617-100

COMPLIANCE: RECOMMENDED

Airbus Helicopters recommends that you comply with this Service Bulletin during one of the next maintenance inspections aligned with your operational availabilities / constraints.

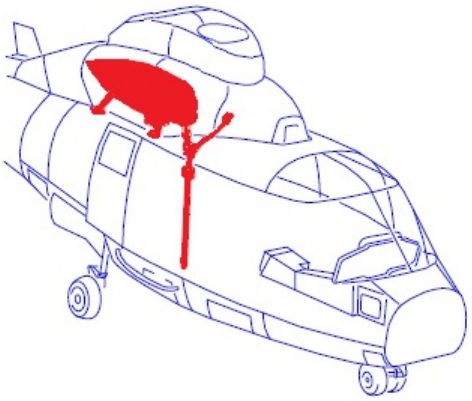
SUMMARY

The purpose of this Service Bulletin is to give an alternative method to simplify the counting of cycles for Goodrich hoists and cables, and the associated maintenance. The alternative method of cycle counting and the MSM Tasks supplied by this Service Bulletin can be used instead of the current method of cycle counting and the MSM Tasks concerned.

GENERAL EVALUATION

Evaluation table			
Perform once	YES	Recurring accomplishment	NO

GENERAL ILLUSTRATION



PLANNING INFORMATION

1. REASON

The purpose of this Service Bulletin is to give an alternative method to simplify the counting of cycles for Goodrich hoists and cables, and the associated maintenance. The alternative method of cycle counting and the updated MSM Tasks supplied by this Service Bulletin can be used instead of the current method of cycle counting and the MSM Tasks concerned.

2. DESCRIPTION

This Service Bulletin consists in giving an alternative method to count the cycles for scheduled maintenance tasks of Goodrich hoists and cables and take into account a multiplier factor referred to as K-factor for in-flight operation.

NOTE

If you select this alternative method, you must use it at a minimum until the next hoist overhaul.

3. CONCURRENT REQUIREMENTS

Not applicable.

4. APPROVAL

The technical content of this document is approved under the authority of the Design Organization Approval ref. EASA. 21J.700.
The technical content of this document is approved under the prerogatives of the recognition of design capability ref. FRA21J-002-DGA for French Government helicopters.
The technical content of this document is approved by Airbus Helicopters Airworthiness Department for export military versions.

5. MANPOWER

Not applicable.

6. WEIGHT AND BALANCE

There is no change in weight and moment.

7. ELECTRICAL LOAD DATA

Not changed.

8. DOCUMENTATION AFFECTED

Not applicable.

9. MATERIAL INFORMATION

Not applicable.

10. ACCOMPLISHMENT INSTRUCTION

Comply with the accomplishment procedure 25-97-0002, 933

11. ADDITIONAL INFORMATION

Components affected information table

Designation	Manufacturer reference	Airbus Helicopters reference
Electric hoist variable speed 90 m / 600 lbs	76375	704A41815012
Electric hoist variable speed 90 m / 600 lbs	76375-030	704A41815029
Electric hoist variable speed 90 m / 600 lbs	76375-060	704A41815055
Electric hoist variable speed 50 m / 600 lbs	76375-100	704A41815011
Electric hoist variable speed 50 m / 600 lbs	76375-130	704A41815030

Designation	Manufacturer reference	Airbus Helicopters reference
Electric hoist variable speed 50 m / 600 lbs	76375-160	704A41815052
Electric hoist variable speed 90 m / 600 lbs	76375-260	704A41815063
Electric hoist variable speed 50 m / 600 lbs	76375-360	704A41815064
Electric hoist variable speed 90 m / 600 lbs	76378	704A41815023
Electric hoist variable speed 90 m / 600 lbs	76378-060	704A41815053
Electric hoist variable speed 50 m / 600 lbs	76378-100	704A41815024
Electric hoist variable speed 50 m / 600 lbs	76378-160	704A41815054
Electric hoist variable speed 90 m / 600 lbs	76378-260	704A41815065
Electric hoist variable speed 90 m / 600 lbs	76378-260D	704A41815084
Electric hoist variable speed 50 m / 600 lbs	76378-360	704A41815066
90 meters electric hoist cable	710176	Not applicable
90 meters electric hoist cable	710176-100	Not applicable
50 meters electric hoist cable	710617	Not applicable
50 meters electric hoist cable	710617-100	Not applicable

End of section

ACCOMPLISHMENT PROCEDURE
25-97-0002, 933

1. APPLICABILITY

Model:	AS365
Version:	F , Fi , Fs , K , K2 , N , N1 , N2 , N3
Component affected:	76375 and 76375-030 and 76375-060 and 76375-100 and 76375-130 and 76375-160 and 76375-260 and 76375-360 and 76378 and 76378-060 and 76378-100 and 76378-160 and 76378-260 and 76378-260D and 76378-360 and 710176 and 710176-100 and 710617 and 710617-100

2. GENERAL INFOS

Acronym / Abbreviation List

CMM - Component Maintenance Manual

IN - Information Notice

HC - Hoist Cycle

In. - Inch

lbs - Pounds

m - Meter

MSM - Master Servicing Manual

MTC - Manuel des Techniques Courantes (Standard Practices Manual)

3. PRELIMINARY REQUIREMENTS

3.1. Applicable Documents

– Introduction of the digital Service Bulletin reporting service SB Insight IN 3785-I-00
– Drafting and updating the log card (FM) - General rules applicable to aircraft MTC 20-08-05-101

3.2. Set up

None

3.3. Special tools

None

3.4. Materials

None

3.5. Spares

None

3.6. Safety conditions

None

4. PROCEDURE

4.1. Comply with the alternative method to count the HC (Hoist Cycles) of Goodrich hoists and cables.

NOTE

If you select this alternative method, you must use it at a minimum until the next hoist overhaul.

4.1.1. One HC is equal to:

– In flight: one movement in the down direction equal to or more than 5 m (197 in.) and one equivalent movement in the up direction, regardless of the load used.
– On the ground: one movement in the down direction equal to or more than 5 m (197 in.) and one equivalent movement in the up direction, regardless of the load used.

4.1.2. Apply the K-factor to count HC as given below:

– In flight: comply with the K-factor with K equal to two (multiply the HC by two).
– On the ground: comply with the K-factor with K equal to one (multiply the HC by one).

NOTE

You will add the HC counted with the alternative method proposed through this Service Bulletin to the HC counted with the method used before. It is not necessary to calculate retroactively the HC counted with the method used before.

4.1.3. Record the HC count on the Log Card with the indication "K-factor method" for each HC recording.

NOTE

For example, during a mission:
On the ground, two movements in the down direction equal to or more than 5 m (197 in.) and two equivalent movements in the up direction are done.
In flight, four movements in the down direction equal to or more than 5 m (197 in.) and four equivalent movements in the up direction are done.
Record ten HC on the hoist Log Card with indication of the "K-factor method":
- Two HC for on the ground operation (two HC with K-factor equal to one)
- Eight HC for in flight operation (four HC with K-factor equal to two).

4.2. Comply with the maintenance described in the MSM, except for the Tasks listed in the tables below, which have an updated interval. Refer to the tables for each Goodrich hoist.

Table 1 Electric hoist variable speed 90 m / 600 lb

Reference	Interval	Margin	Instruction	Related Task of the MSM
76375 (704A41815012) 76375-030 (704A41815029) 76375-060 (704A41815055) 76375-260 (704A41815063) 76378 (704A41815023) 76378-060 (704A41815053) 76378-260 (704A41815065) 76378-260D (704A41815084)	1000 HC or 12 Months	0	Refer to CMM 25.64.99 Check the oil level in drum. Check of mechanical brake. Check of the motor electromagnetic brake . Check of the condition box of microswitches (except for amendment 23).	25/63/02/680/000/000 (F, Fi , K, K2, N, N1, N2, N3) or 25/63/02/640/000/020 (Fs)

Table 2 Electric hoist variable speed 50 m / 600 lb

Reference	Interval	Margin	Instruction	Related Task of the MSM
76375-100 (704A41815011) 76375-130 (704A41815030) 76375-160 (704A41815052) 76375-360 (704A41815064) 76378-100 (704A41815024) 76378-160 (704A41815054) 76378-360 (704A41815066)	1000 HC or 12 Months	0	Refer to CMM 25.64.99 Check the oil level in drum. Check of mechanical brake. Check of the motor electromagnetic brake . Check of the condition box of microswitches (except for amendment 23).	25/63/02/680/000/000 (F, Fi , K, K2, N, N1, N2, N3) or 25/63/02/640/000/020 (Fs)

5. CLOSE UP

5.1. Record the full compliance with this Service Bulletin, with its issue number, in the helicopter documents and in the log cards of the hoist and the cable. Refer to Drafting and updating the log card (FM) - General rules applicable to aircraft MTC 20-08-05-101.

5.2. Record compliance with this Service Bulletin (see IN 3785-I-00 for instructions): QR code or hypertext link.

SB AS365-25-97-0002

End of service bulletin