



EASA

European Aviation Safety Agency

EASA helicopter operations rulemaking

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PCDS HEC HESLO UPDATE

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Rulemaking (Air Operations): HEC, HESLO operations: Opinion to be published Q1 2017

- **Personnel Carrying Device Systems (PCDS) used in HEC.**
 - Simple PCDS no longer required to be airworthiness approved





HEC, HESLO operations: Opinion to be published Q1 2017



➤ HEC/ HESLO

- HEC/HESLO categories to be simplified
- HEC/HESLO instructor criteria to be simplified
- Increased focus on flight training.



HESLO TRAINING

	Current	Proposed
Experience required	Before starting training	Before end of training
Theoretical training	Yes	Yes
Practical training	Not required	<ul style="list-style-type: none">• Dual control• Supervision from cockpit,• Supervision from ground
Checking	Not required	Yes (but no recurrent checking)
HESLO instructor	<ul style="list-style-type: none">• 500 hours in the HESLO category• Experienced as FI/TRI	<ul style="list-style-type: none">• 500 hours HESLO + Qualified and 10 hours in the HESLO category• Experienced as SPO instructor prior to 21/4/17 <p>OR</p> <p>‘teaching and learning’ module of FI/TRI</p>



HESLO CATEGORIES

	Current	Proposed
HESLO 1	Short line <20m	Short line <20m
HESLO 2	Long line >20m	Long line >20m
HESLO 3	Logging	Specialised HESLO Long list of activities...
HESLO 4	Construction	Advanced HESLO tower erecting, wire stringing, disassembly of masts and tower
HESLO 5	Heavy lift (>1,5T)	Deleted

HESLO 1 and 2 training can now take place in short succession

HESLO 1 and 2: Minimum practical training defined.



HESLO 1

- CPL(H) or ATPL(H)
- PPL(H) only for non-commercial operations
- ~~Minimum 300 hours PIC (H)~~
- Minimum 10 hours PIC on type
- Type rating completed
- HESLO ground instruction completed
- Task specialist syllabus reviewed
- HESLO 1 flight instruction completed: Minimum 5 hours/50 HESLO cycles
- HESLO 1 flights under supervision completed.
- Minimum experience 8 hours/80 HESLO cycles / 5 HESLO missions
- Minimum 300 hours PIC(H)
- HESLO 1 proficiency



HESLO 2

- CPL(H) or ATPL(H)
- PPL(H) only for non-commercial operations
- HESLO level 1 completed
- Type rating completed
- Minimum 10 hours PIC on type
- HESLO 2 ground instruction completed
- Task specialist syllabus reviewed
- Minimum 500 HESLO 1 100 HESLO cycles
- HESLO 2 flight instruction completed: Minimum 2 hours/20 HESLO cycles with long line
- HESLO 2 flights under supervision completed
- Minimum experience 5 hours/50 HESLO 2 cycles / 5 HESLO 2 missions
- HESLO 2 proficiency



HESLO 3

- **CPL(H) or ATPL(H)**
- **PPL(H) only for non-commercial operations**
- **HESLO level 1 completed to 20m**
- **Min. 500 HESLO cycles**
- **Type rating completed**
- **Minimum 10 hours PIC on type**
- **HESLO 3 ground instruction completed**
- **Task specialist syllabus reviewed**
- **Practical Task specialist training for logging**
- **HESLO 3 flight instruction completed**
- **HESLO 3 flights under supervision completed**
- **HESLO 3 proficiency**



HESLO 4

- CPL(H) or ATPL(H)
- PPL(H) only for non-commercial operations
- Minimum 1 000 hours (H)
- HESLO level 2 or 3 completed
- Minimum ~~3 000~~ 2 000 HESLO cycles
- Type rating completed
- Minimum 10 hours PIC on type
- HESLO 4 ground instruction completed
- Practical load preparation training
- HESLO 4 flight instruction completed
- HESLO 4 flights under supervision completed
- HESLO 4 proficiency



(f) HESLO instructor

The HESLO instructor should be assigned by the operator on the basis of the following:

- (1) the HESLO instructor for pilots should :
 - (i) be suitably qualified as determined by the operator and have a minimum experience of 500 hours HESLO; ~~operations in the appropriate HESLO level on which instruction is to be provided~~
 - (ii) have at least 10 hours HESLO experience as unsupervised PIC in the appropriate HESLO level on which instruction, supervision and proficiency assessments are to be provided; and
 - (iii) have attended the 'teaching and learning' part of the flight instructor or type rating instructor training, or have had an experience as an aerial work instructor prior to 21 April 2017 ~~as well as experience in instructing according to the flight instructor or type rating instructor training;~~



HESLO Mountain experience

(i) Prior to commencing training:

(A) ~~300 hours helicopter flight experience as PIC, which should be increased to 500 hours experience as PIC for mountain operations; and~~

(iii) Before acting as unsupervised PIC:

(A) For HELSO 1, 300 hours helicopter flight experience as PIC; and

(F) At least 20 hours gained in an operational environment similar to environment of intended operation (desert, sea, jungle, mountains, etc.).

(4) Pilot proficiency: Before acting as unsupervised PIC, pilot proficiency has been assessed as sufficient for the intended operations and environment under the relevant HESLO type, by a HESLO instructor nominated by the operator.



HESLO: CHANGING HELICOPTER TYPES

(iii) Before acting as unsupervised PIC:

(CE) For HESLO 3 and 4, 15-30 hours on the helicopter type, performing HESLO 1 and 2 operations. ~~Where a pilot has accomplished 50 hours in HESLO 1 and 2 operations, the 30 hours experience on the helicopter type may be reduced to 15 hours.~~



► Introduced as such

(e) Task specialists

Before acting as task specialist, he/she should demonstrate to the operator that he/she has been trained appropriately and has the required skill and knowledge.

(1) Initial training

(i) The initial training of task specialists should include at least:

(K) for task specialists seated in the cockpit and whose tasks are to assist the pilot, the relevant CRM training elements as specified in ORO.FC.115.

(3) Briefing of task specialists

(iv) for a task specialists who has not received the relevant elements of CRM training as specified in ORO.FC.115, the operator's crew coordination concept including relevant elements of crew resource management.



HEC CATEGORIES

	Current	Proposed
HEC 1	Short line <25m Altitude < 3000m	Short line <25m
HEC 2	25m < line < 50m Altitude between 3000 and 3500m	Long line >25m
HEC 3	Line > 50m Altitude >3500m	Deleted



HEC TRAINING AND MOUNTAIN EXPERIENCE

- (ii) Pilot experience prior to commencing the training:
 - (A) ~~1 000 hours helicopter flight experience as PIC, of which 500h should be gained in mountainous areas for training in mountain operations;~~
- (iii) Pilot experience prior to commencing unsupervised HEC flights:
 - (A) HEC flight instruction completed.
 - (B) 1 000 hours helicopter flight experience as PIC
 - (C) for mountain operations, 500h flight experience as PIC in mountain operations.
 - (D) for HEC 2, HESLO type 2 completed
- (3) Pilot proficiency prior to commencing unsupervised HEC flights:
 - pilot proficiency has been assessed as sufficient for the intended operations and environment under the relevant HEC level, by a HEC instructor nominated by the operator.



(ii) HEC instructor:

The HEC instructor should be assigned by the operator on the basis of the following:

(A) the HEC instructor for pilots should:

~~- hold or have held flight instructor rating and should~~ have a minimum experience of 100 cycles in HEC operations ~~in the appropriate HEC level~~ at HEC levels equal or greater to that on which instruction, supervision and proficiency assessments are ~~is~~ to be provided; and

- have attended the 'teaching and learning' part of the flight instructor or type rating instructor training, or have had an experience as an aerial work instructor prior to 21 April 2017

(B) the HEC instructor for task specialists should be suitably qualified as determined by the operator and have at least 2 years of experience in HEC operations as a task specialist.



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Thank you for your attention

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