



HESLO 4

Applicant's licence number:

Provisions according to Commission Regulation (EU) No 965/2012 Part-SPO (SPO.SPEC.HESLO) and the non-binding FOCA recommendations (Guidance Material)

Applicant

Last name: _____ First name: _____ Date of birth: _____

e-mail: _____ Signature of applicant: _____

Operator

Name: _____ AOC / Declaration No: _____

Type of specialised operation: _____

HESLO Instructor

Last name: _____ First name: _____ License No: _____

Last name: _____ First name: _____ License No: _____

ADVANCED SLING LOAD OPERATIONS – GROUND INSTRUCTION

OM/SOP

- Content of OM including relevant SOPs
- Flight and duty times
- Max. cycles / day
- Min. and max. fuel
- Refuelling procedures
- Radio communications / hand signals
- Human factors / CRM / nutrition
- Safety equipment / operational briefing
- Pilot / task specialist responsibilities

Aircraft Flight Manual

- Limitations
- Mass and balance
- Abnormal and emergency procedures
- Performance / HOGE
- Cargo hook supplement

Flight Procedures

- Airspeed selection with load
- Flight path selection (3rd party)
- Bank / load factor / load drag
- Load stabilisation techniques / hover & in-flight
- Downwash / load rotation
- Visual hover reference
- Rotor clearance
- Environment / slope / forest / canyon
- Manual & electrical load release
- Decision / exposure time

Load Rigging Techniques

- Vertical loads
- Horizontal loads
- Light, bulky and combined loads
- Nets & bags

Worksite Preparation

- Worksite layout
- Fuel area designation and access
- Ground personnel safe area
- Safety measures / traffic control

Special Equipment

- Concrete bucket / Water bucket
- Load lifting attachments (line, net, bag, IBC, FIBC)
- Slings equipment (round sling, chain, shackle, etc)
- Load lifting means (cargo hook, remote hook, etc.)
- Load meter / printer
- Mirror
- Bubble window / vertical reference
- Audio / vibration warning

Emergency / Limitations

- Flight control stops
- Tail rotor failure
- Engine failure / OEI operation
- Height velocity diagram / exposure time
- Emergency procedures in sling ops
- Review of sling ops. accidents

Dangers / Hazards

- Flights in valleys / cables / wires
- Flight over congested areas / roads / 3rd party
- Airflow / up and downdrafts
- Sun / shadow / snow / rain / static electricity
- Settling with power / vortex
- Emergency load release

Minimum requirements before starting practical HESLO 4 instruction:

- 1'000 flight hours on helicopters
- 2'000 HESLO cycles incl. experience as unsupervised PIC in HESLO 2 or HESLO 3

Applicant's licence number:

Conditions:

- 1 Task specialist (with radio) at pickup point
- 1 Task specialist (with radio) at drop off point
- Helicopter equipped with:
 - additional mirror(s) and/or video camera(s)
 - a bubble window

Definitions:

Vertical References: The trainee must be able to perform a stabilized hover flight by means of vertical references without any external cargo attached to the helicopter prior to commencing training with external loads.

Mission: One mission is a HESLO flight or series of HESLO flights, conducted from site A to site B, for a particular customer, on a particular day.

Cycle: A cycle is a flight from site A to site B with an external load and subsequent return to site A.

DC

Cycles as relevant to the activity: (every square is 1 cycle) Mirror Vertical ref.

Date training started:

The trainee may perform **PIC HESLO 4 under supervision of a HESLO instructor** (the supervision should take place during HESLO mission, from inside the helicopter and on-site)

Date training ended: Signature HESLO instructor:

SOLO

Flight instruction solo with on site supervision / missions as relevant to the activity: (every square is 1 mission) Mirror Vertical ref.

Date training started:

Pilot proficiency has been assessed as **sufficient for the intended operations and environment**. The trainee's logbook has been endorsed with **'HESLO Level 4 satisfactory completed'**

Date training ended: Signature HESLO instructor:

Additional requirements before acting as unsupervised PIC for HESLO 4:

- CPL(H) or ATPL(H)..... <input type="checkbox"/>	- Practical load preparation training..... <input type="checkbox"/>
- HESLO level 2 or 3 completed..... <input type="checkbox"/>	- Minimum 10h on helicopter type..... <input type="checkbox"/>
- HESLO 4 ground instruction completed..... <input type="checkbox"/>	- At least 15h on helicopter type, performing HESLO 1 and HESLO 2 operations..... <input type="checkbox"/>
- Task specialist syllabus / SOPs reviewed..... <input type="checkbox"/>	
- Type rating completed..... <input type="checkbox"/>	

Sign-off by the operator

Last name: _____ First name: _____ Licence No: _____

Function: _____ Signature: _____ Date: _____