

HESLO 1

Swiss Confederation

Federal Department of the Environment, Transport, Energy and Communications DETEC

Federal Office of Civil Aviation FOCA

Division Safety Division - Flight Operations

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		
•		AOC / Declaration No:
		Aoo / Bedaration No.
HESLO Instructor		
Last name:	First name:	License No:
Last name:	First name:	License No:
HELICOPTER EXTERNAL S	LING LOAD (OPERATIONS – GROUND INSTRUCTION
LEVEL 1 SHORT LINE - S	ling length: ≤2	20 meters
OM/SOP		Worksite Preparation
Content of OM including relevant SOPs		Worksite layout
Flight and duty times		Fuel area designation and access
Max. cycles / day		Ground personnel safe area
Min. and max. fuel		Safety measures / traffic control
Refuelling procedures		Special Equipment
Radio communications / hand signals		Concrete bucket / Water bucket
Human factors / CRM / nutrition		Load lifting attachments (line, net, bag, IBC, FIBC)
Safety equipment / operational briefing		Slinging equipment (round sling, chain, shackle, etc)
Pilot / task specialist responsibilities		Load lifting means (cargo hook, remote hook, etc.)
Aircraft Flight Manual		Load meter / printer
Limitations		Mirror
Mass and balance		Bubble window / vertical reference
Abnormal and emergency procedures		Audio / vibration warning
Performance / HOGE		
Cargo hook supplement		Emergency / Limitations
		Flight control stops
Flight Procedures		Tail totor failure
Airspeed selection with load		Engine failure / OEI operation
Flight path selection (3rd party)		Height velocity diagram / exposure time
Bank / load factor / load drag		Emergency procedures in sling ops
Load stabilisation techniques / hover & in-flight		Review of sling ops. accidents
Downwash / load rotation		Dangers / Hazards
Visual hover reference		
Rotor clearance		Flights in valleys / cables / wires
Environment / slope / forest / canyon		Flight over congested areas / roads / 3rd party
Manual & electrical load release		Airflow / up and downdrafts
Decision / exposure time		Sun / shadow / snow / rain / static electricity
Load Pigging Tochniques		Settling with power / vortex
Load Rigging Techniques		Emergency load release
Vertical loads		
Horizontal loads		Minimum requirements before starting practical HESLO 1 instruction:
Light, bulky and combined loads		- Min. 10h on type of helicopter
Nets & bags		

HESLO 1

FLIGHT INSTRUCTION

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Applicant's licence number:

Conditions: - Maximum sling length 20 meters - 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.																							
										Type of loads (use code in squares): 1 Concrete bucket 3 Horizontal load 2 Vertical load 4 Multiple loads												5 Nets / bags 6 Light and bulkyload									
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Function: _____ Signature:__

Sign-off by the operator

_____ Date: _____