

Swiss Confederation

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

Federal Office of Civil Aviation FOCA

Division Safety Division - Flight Operations

HESLO 1	Applicant's licence number:				
Applicant		,			
Last name:	First name:		e of birth:		
Place of birth:	Place of origin: Nation		onality:		
	Street:				
	Phone/fax office:				
e-mail:	Signature of applicant:				
HELICOPTER EXTERNAL	L SLING LOAD	OPERATIONS - GROU	IND INSTRUCTION		
HESLO ground instructor (must have a m	inimum of 500h HESLO e	xperience):			
Last name:	First name:	Lice	nse Nr:		
OM/SOP		Worksite Preparation	 n		
Content of OM including relevant SOP		Worksite layout			
Flight and duty times		Fuel area designation and acces			
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, ne			
Safety equipment / operational briefing		Slinging equipment (round sling,			
Pilot / task specialist responsibilities		Load lifting means (cargo hook,			
Aircraft Flight Manual		Load meter / printer			
Limitations		Mirror			
Emergency procedures		Bubble window / vertical reference	ce		
Performance / HOGE		Audio / vibration warning			
Cargo hook supplement		Emergency / Limitat	ione		
Flight Procedures		Flight control stops			
Airspeed selection with load		Tail totor failure			
Flight path selection (3rd party)		Engine failure / OEI operation			
Bank / load factor / load drag		Height velocity diagram / exposu			
Load stabilisation techniques / hover & in-fl		Emergency procedures in sling of			
Downwash / load rotation		Review of sling ops. accidents			
Visual hover reference		<u> </u>			
Rotor clearance		Dangers / Hazards			
Environment / slope / forest / canyon		Flights in valleys / cables / wires Flight over congested areas / roa			
Manual & electrical load release		Airflow / up and downdrafts			
Decision / exposure time		Sun / shadow / snow / rain / stati			
Load Rigging Techniques		Settling with power / vortex			
Vertical loads		Emergency load release			
Horizontal loads					
Light, bulky and combined loads					
Nets & bags		I, the responsible HESLO groun	d instructor, herewith certify that		
		the trainee has received the req	uired HESLO1 ground instruction		
Minimum requirements before starting instruction:	practical HESLO 1	Data	the practical HESLO1 instruction.		
- CPL(H) / ATPL(H)					

- PIC helicopter: Min. 300h or 500h for mountain ops......

- Min. 10h on type of helicopter.....

Name:

Signature:

HESLO 1

FLIGHT INSTRUCTION

Applicant's licence number:

LEVEL 1 SHORT LINE - Sling length: ≤20 meters

Conditions:

- Maximum sling length 20 meters
- Maximum cargo weight 1'500 kg
- 1 Task specialist (with radio) at pickup point
- 1 Task specialist (with radio) at drop off point
- helicopter fitted with cargo mirror
- floor window* / bubble door*
 *if applicable

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.

UESLO instructor (proferably El/TDI) must be use	a minimum of E00h UESLO avacuiones and h	a munified for UESLO 4.		
HESLO instructor (preferably FI/TRI) must have	e a minimum of 500n HESLO experience and b	e qualified for HESLO 1:		
Last name:F	First name:	License Nr:		
Last name:F	First name:	License Nr:		
Flight instruction DC / minimum 5 hours:	(every square is 1 hour)	☐ Mirror ☐ Vertical ref.		
	Date training	started:		
Cycles DC / minimum 50 cycles: (every square	is 1 cycle) should include load types 1 through 6	Type of loads (use code in squares)		
		1 Concrete bucket		
		Vertical load Horizontal load		
		4 Multiple loads		
The trainee may perform solo HESLO1 limited to	20m sling length with on site supervision by	5 Nets / bags		
the HESLO instructor		6 Light and bulky load		
Date:	Signature / License. Nr:			
Flight instruction solo with on site superv	rision / min. 10 missions: (every square is 1 mission	n) Mirror Vertical ref.		
Cycles solo/minimum 100 cycles: (every square	re is 1 cycle) should include load types 1 through 6			
The trainee may perform solo HESLO 1 under su	pervision by the HESLO instructor			
The trained may perform 3010 HE0E0 1 under 3u	pervision by the rieded instructor			
Date:	Signature / License. Nr:			
Flight instruction solo under supervision	/ min 30 missions:	☐ Mirror ☐ Vertical ref.		
i ngitt matruction solo under supervision /	(every square is 1 mission)	i Mirror i vertical ref.		
		SUBERVISOR NOT REQUIRED ON SITE		
		SUPERVISOR NOT REQUIRED ON SITE		
The trainee is found properly qualified for Helicopter External Sling Load Operations (HESLO 1) without supervision. The trainee's logbook has been endorsed with "HESLO Level 1 satisfactorily completed".				
Date:	Signature / License. Nr:			
otal helicopter flight experience after completion	n of HESLO 1 Training:			

Total hours HEL: _____ PIC hours HEL: ____ HESLO 1 total hours: ____ HESLO 1 total cycles:____