

Swiss Confederation

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

Federal Office of Civil Aviation FOCA

Division Safety Division - Flight Operations

HESLO 2	Applicant's licence number:				
Applicant					
Last name:	First name:	Date of birth:			
		Nationality:			
	Street:				
Phone/fax home:	Pr	none/fax office:			
e-mail:	Signature of applicant:				
HELICOPTER EXTERNAL	L SLING LOAD (OPERATIONS - GROUND INSTRUCTION			
HESLO ground instructor (must have a m	inimum of 500h HESLO ex	xperience):			
Last name:	First name:	License Nr:			
OM/SOP		Worksite Preparation			
Content of OM including relevant SOP		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			
Emergency procedures		Bubble window / vertical reference			
Performance / HOGE		Audio / vibration warning			
Cargo hook supplement					
Flight Procedures		Emergency / Limitations 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 / exposure time			
Load stabilisation techniques / hover & in-f		Emergency procedures in sling ops			
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			
Manual & electrical load release		Flight over congested areas / roads / 3rd party			
Decision / exposure time		Airflow / up and downdrafts			
Load Bigging Toohnigues		Sun / shadow / snow / rain / static electricity			
Load Rigging Techniques		Settling with power / vortex			
Vertical loads Horizontal loads		Emergency load release			
Light, bulky and combined loads					
Nets & bags					
- CPL(H) / ATPL(H)		Date:			

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

- HESLO 2 ground instruction completed

Name:

Signature:

HESLO 2

FLIGHT INSTRUCTION

Applicant's licence number:

LONG LINE - Sling length: >20 meters

Conditions:

- Minimum 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.

HESLO instructor (preferably FI/TRI) must have a minimum of 500h HESLO experience and be qualified for HESLO 2:					
La	ast name: First name:	License Nr:			
La	ast name: First name:	License Nr:			
	Flight instruction DC / minimum 2 hours: (every square is 1 hour)	☐ Mirror ☐ Vertical ref.			
	Cycles DC/minimum 20 cycles: (every square is 1 cycle) should include load types 1 through Trainee may perform solo HESLO 2 with on site supervision				
_	Date: Signature / License. Nr:				
20m < SLING < 30m	Flight instruction solo with on site supervision / min. 5 missions: (every second process) Cycles solo / minimum 50 cycles: (every square is 1 cycle) Trainee may perform solo HESLO 2 under supervision Date: Signature / License. Nr: Flight instruction solo under supervision / min 10 missions: (every square is	Type of loads (use code in squares) 1 Concrete bucket 2 Vertical load 3 Horizontal load 4 Multiple loads 5 Nets / bags 6 Light and bulky load			
		•			
SLING > 30m	Flight instruction DC / minimum 10 cycles: (every square is 1 cycle)	☐ Mirror ☐ Vertical ref.			
	riight instruction solo under supervision / min 10 missions: (every square is	SUPERVISOR NOT REQUIRED ON SITE			
S	Trainee is found properly qualified for Helicopter External Sling Load Operations Level 2 (HESLO 2) without supervision The trainee's logbook has been endorsed for HESLO Level 2				
	Date: Signature / License N°:				
Tota	al helicopter flight experience after completion of HESLO 2 Training:				

____ PIC hours HEL: __

Total hours HEL: _

HESLO 2 total hours: HESLO 2 total cycles: