



Transport of external loads with helicopters "Level 1" required by RFP Art. 133 g
 After completion of training send this form to: Bundesamt für Zivilluftfahrt (BAZL), FA / Helikopter, Maulbeerstrasse 9, 3003 Bern

Name: First Name: Date of birth:

Tel Privat: Tel Mobile: Fax:

Change of address (indicate new address) oui / ja E-Mail:

Zip code / City: Street:

Pilot in charge of theoretical instruction (must have a minimum of 500h ECS experience):



Name: First Name: CH Licence N°:

EXTERNAL CARGO SLING GROUND INSTRUCTION

FOM

Flight and duty times

Max. cycles / day

Min. and max. fuel

Refueling procedures

Radio communications

Human factors / CRM / nutrition

Safety equipment / operational briefing

Pilot / marshaller responsibilities

Flight Manual

Limitations

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 / vert, horiz

Rotor clearance

Marshaller Hand signals

Environment / slope / forest, canyon

Manual & electrical load release

Decision / exposure time

Load & Person Preparation

Vertical loads

Horizontal loads

Light, bulky and combined loads

Minimum requirements before starting practical ECS 1 instruction:

- CPL(H) / ATPL(H)
- Min 300 hours PIC Helicopter
- Min. 10 hours PIC on type of helicopter
- Type rating completed
- ECS Ground instruction completed
- Marshaller syllabus reviewed

Nets & bags

Special Equipment

Concrete bucket

Remote hook / swivel hook / carousel

Spansets

Steel cables / chains

Long lines

Load meter / printer

Mirrors

Bubble window / vertical refernces

Audio / vibration warning

Emergency / Limitations

Flight control stops

TR failure

Engine failure / OEI operation

Height velocity diagram / exposure time

Emergency procedures in sling ops

Review of sling accidents

Dangers

Flights in valleys / cables / wires

Flight over cities / roads / 3rd party

Airflow / up and downdrafts

Sun / shadow / snow / rain / static electricity

Settling with power / vortex

Emergency load jettison

Remarks:

I herewith certify that the trainee has received the required ECS 1 ground instruction and is found competent to begin the practical ECS 1 instruction.

Date:

Name:

Signature:

