

LONG LINE / VERTICAL REFERENCE TRAINING



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VOLO MISSION'S LONG LINE/ VERTICAL REFERENCE COURSE IS DESIGNED TO PROVIDE THE PILOT WITH THE SKILLS AND KNOWLEDGE REQUIRED TO WORK IN THE UTILITY / EXTERNAL-LOAD INDUSTRY.

The comprehensive curriculum and rigorous training ensure that, on completion of the course, the trainee will be fully prepared to meet the challenges of long-line operations.

THE COURSE IS DESIGNED FOR:

- Companies and agencies with new hires
- Companies entering the external-load business
- Companies and agencies seeking cost-effective training solutions.
- Pilots seeking to enhance their skill level.
- Pilots desiring to gain employment with external-load companies



THE COURSE INCLUDES:

- Fundamentals of vertical reference and long lining
- Skill set development, enhancement, and refinement
- Webinar training on the safety, care, and handling of the long line
- Ground crew operations/communications training
- Safety training
- Accident case studies
- Mental and environmental risk factors (fatigue, task overload, stress, extreme temperatures)
- Professional tricks and tips
- Daily transportation to and from course
- Certificate of completion

COURSE STRUCTURE

FUNDAMENTALS

Introduction to Direct Visual Operational Control (DVOC), also known as Vertical Reference (VR). The fundamentals lay the groundwork for learning the specialized skills required for long line operations.

HELICOPTER

- VR pad work
- VR heliport landing practice
- Stage check

CLASSROOM

- Introduction to external-load industry
- VR/long line terminology
- Part 133 requirements

DEVELOPING SKILL SET

Introduction to the basics of long line flying, focusing on control of the line, which is critical to successful long lining.

HELICOPTER

- Flying with 200' steel cable
- Communication with Ground Crew

CLASSROOM

- Case studies
- Webinar: The nuts and bolts of working with long lines

TRAINING SITE

- Hand signals
- Inspecting the long lines and hooks



ADVANCED MANEUVERS

Having mastered basic long line skills, pilots will work on sharpening their accuracy, timing, and control. By performing such advanced maneuvers as setting an air conditioning unit on bolts, a pilot will know that he or she is prepared for the external-load industry.

HELICOPTER

- Mastering advanced exercises (A/C unit, litter, pole-in-hole)
- Flying tight traffic patterns to increase hook shot skill
- Precision placement

TRAINING SITE

- Preparing staging areas