
Technical Operations - Rope Rescue



Company Training

Operations Level – Belay Line Skills Sheet

Shift _____ Circle Companies E45 E46 E47 B45 A45 A46 Date _____

Review terminology, equipment and knots used for Belay Lines.

Review Roles/Responsibilities of IMS Positions.

Set up and demonstrate operation of a Belay Line. Lowering/Raising

Terminology

Ready
Raise
Lower
Stop
Stop Set
Reset
Slow
Up
Down
On Belay – Belay On
Climbing
On Rappel – Rappel Away

Equipment

Anchor Equipment
Anchor Plate
Belay Line Bag
Radium Load Release Hitch
Prusik Minding Pulley
Prusik
Padding

Knots

Water Knot
Wrap 3, Pull 2
3 Bight
Figure 8 Follow Thru
Figure 8 on a Bight
Double Loop Fig 8 on a Bight
Triple Wrap Prusik

IMS Position Roles/Responsibilities

Rescue Group Supervisor (RGS)
Technical Safety Officer (TSO)
Rigging Team Leader (Rigger)

Set up Belay Line

Designate a Technical Safety Officer and Rigging Team Leader

Under the direction of the Rigger, set up a Belay Line.

Perform system safety check by both Rigger and TSO.

On direction from a person acting as the Rescue Group Supervisor, operate the Belay Line.

During operations perform the following:

Lower	Stop-Set/Reset
Raise	Solve a Belay Lock off
Stop	Passing a knot

General Information

- A Belay Line is part of a two-rope system that provides the safest means for rescuers to access a patient during a rope rescue.
- Successful operation of a two-rope system is dependent upon the coordination of personnel and equipment under the direction of the Rescue Group Supervisor with clear, focused communications.
- The Belay Line provides a backup safety line to the Main Line. The Belay Line is not loaded unless there is a Main Line failure.
- ***Slack in the Belay Line shall be kept at a minimum to prevent shock loading.***
- Operation of the Belay Line requires constant attention and precise movements of the belayer.
- The Tandem Prusik must be kept at a 90 degree angle to the Belay Line for proper function.
- Redundant System Safety check must be done prior to application of the intended load. This is accomplished by multiple people and includes the Critical Point Test, Whistle Test and a Touch Test.

Resources

Zone 3 Rope Manual

Evaluator Print: _____

Evaluator Signature: _____ Date: _____