RESCUE METHODS®
CUTTING EDGE TRAINING FOR RESCUE PROFESSIONALS

Practical Exercise Statement – Highlines

Time Allotted: 3-4 Hours

Purpose: The purpose of this training exercise is to review principles and concepts relevant to highline operations, and to review and perform the construction of a highline system with English Reeves system.

Terminal Learning Objective: The student shall perform victim packaging and tending, Lower Haul Operations, Belay Operations, and Command Operations constructing and operating a high line in a scenario based exercise.

Enabling Learning Objectives: Given a required equipment cache and specific parameters, goals, and supervision, the student shall dynamically:

- Assess and package a mannequin or victim.
- Tend a mannequin or victim as a rescuer
- Construct, operate and direct belay systems within a high line
- Construct, operate, and direct lower haul systems within a high line
- Construct and operate an English reeves system
- Evaluate scene hazards and develop action plans that are carried out within the framework of the ICS.

Equipment Needed:

- Software (Quantity and type TBD by lead instructor)
  - ½" Rope or appropriate diameter (Length, diameter and quantity based on environment and application and instructor's selection)
  - 1" and 2" webbing
  - Accessory cord
- PCD (Quantity and type TBD by lead instructor)
- Hardware (Quantity and type TBD by lead instructor)
  - Carabiners
  - Pulleys
  - Screw Links
  - DCD
- System Components (Quantity and type TBD by lead instructor)
  - LRH, Mariner's Hitch, Lower/Haul Auxiliary equipment
  - Rigging Plates
  - TPB, Belay Auxiliary equipment
  - Anchor Straps
  - Paired Prusiks
- Support / Packaging (Quantity and type TBD by lead instructor)

    - Tripod (as needed)
    - Sked, Stokes with associated packaging materials
    - Pickets (as needed)
    - Edge Protection
    - Dynamometer
    - Caution Tape
    - Rehab elements
    - Cutting/Repair tools
- Students
    - Helmet, Eye Protection, Gloves, Appropriate shoes/boots
    - Class II or Class III Harness
    - Knee pads/Elbow pads (as needed)

***<u>*All equipment must be in full compliance with NFPA standards where applicable.*</u>

<u>Instructor's Notes:</u> This exercise should consist of ground school, and full-scale high line construction. Ground School operations should be done initially. Divide the students into three teams and establish three specific assignments: Left Bank Team, Right Bank Team, and Rescue Team. The Right or Left Bank team will provide Command personnel depending on which team is not performing lower/haul operations. Statically construct the complete high line system with the students and discuss all facets of the operation. When the ground school session is complete, begin the scenario. One instructor is required for each team and an additional instructor for safety. Appoint a team leader for each team and rotate that assignment with each team assignment rotation. Perform three rotations. A training site with a height of at least twenty feet is required (50' is recommended) for this exercise. Place the mannequin or victim in an area where the high line will be erected and identify the "victim" for the students. It is recommended that a dynamometer be utilized for any high line operations to insure safe working loads are maintained.

1. Deliver a period of instruction demonstrating and discussing construction elements of a descending high line with English Reeves.
2. Direct the teams to size up the scene with their instructors and discuss tactical priorities and action plans. 10 min.
3. Direct one of the team leaders to be the overall commander and create a benchmark based the student's action plan.
4. Observe and direct as needed the operations of the teams to create their rescue systems.
5. Require the rescue team to package the victim for rescuer tending.
6. Require the lower haul team to transition the load.
7. Require all teams to implement a structured communications plan utilizing available resources.
8. Rotate the teams when each evolution is complete.
9. Every team should perform every facet of the operation.