



CADET COMBAT CHALLENGE



Z-Drag

Objective:

This event allows a team of four to demonstrate the basics of ropes and knots as well as the rigging of a 3:1 raise system. This system will be tied to the litter basket and not attached to another line.

Requirements:

- 200' Rescue Rope
- 2 Pre-Tied Prusiks
- 3 Carabiners
- 2 Prusik Minding Pulleys
- 1 Weighted Rescue Litter
- Each Post can enter a maximum of three (3) teams consisting of four (4) cadets/explorers.
- No cadet/explorer can participate in this event twice.
- Appropriate head and hand protection.

Rules:

This event has a 3-minute time limit. Each team member will start seated in chairs. The system may be constructed without wearing gloves; however, gloves must be donned prior to hauling on the mainline.

At the word "GO," the time starts. Once this command is given, all work can be completed simultaneously.

1. Cadet 1 will be responsible for completing the anchor in any manner possible with the webbing provided and a carabiner. The anchor will be marked. There are many different anchors, so any anchor that the competing Post feels comfortable using for the purpose of this event will be fine. Use a Water Knot if the webbing is going to be tied together in a loop.
2. Cadet 2 will advance the rope to the rescue litter. The explorer will then secure the rope directly to the litter using an approved life safety knot, for example, a Bowline with an overhand or Yosemite, or a figure-8 follow-through. The figure-8 does not require a safety knot. The system will be tied directly to the rescue litter.
3. Cadet 3 will use the rescue rope, anchor rigged by team member 1, pulley, carabiner, and one prusik to construct the progress capture portion of the Z-drag. Cadet 3 will attach the pulley to the rescue rope and then attach the pulley to the anchor. Next, they will attach the prusik to the side of the rescue rope going down to the litter. Then the prusik will be attached to the anchor at the location of the pulley. Only one prusik is required for the progress capture.



CADET COMBAT CHALLENGE



4. Cadet 4 will use a prusik, pulley, and a carabiner to create and attach the haul cam portion of the Z drag. Cadet 4 will attach a prusik to the load side of the rescue rope. Then they will attach a pulley to the prusik using a carabiner. The haul cam cannot be attached past the designated line that will represent the edge.

NOTE: Even though the team members have different predetermined tasks, any member of the team may make the connection of the different parts, i.e., the anchor to the 3:1. They can help each other construct any part of the Z-drag.

Once the 3:1 system has been completed, the team will haul the rescue litter to a predetermined location on the floor that will be marked by tape. The tape will be at a distance so that the team will have to reset the system, approximately 50 feet. It will not be one continuous pull, and the time will stop once the end of the rescue litter has crossed the tape. **The team cannot begin hauling until all team members are on the operating side of the "edge."**

Penalties:

A 10-second penalty will be imposed for each of the following rule infractions:

- Failure to don gloves before hauling on the completed system
- Improper or incorrect knot used to secure to the litter

A 5-second penalty will be imposed for each incorrect prusik.

Disqualifications:

- Profanity/ Unsportsmanlike Conduct
- Unsuccessful completion or hauling on the system before completion
- Hauling on the system in a 1:1 manner
- Crossing over the "edge" except as allowed to connect to the litter.
- Throws equipment purposefully
- Any act considered dangerous and likely to result in injury.
- Any attempt to cheat.



CADET COMBAT CHALLENGE

