

Steep Angle Highline Vector System, RQP



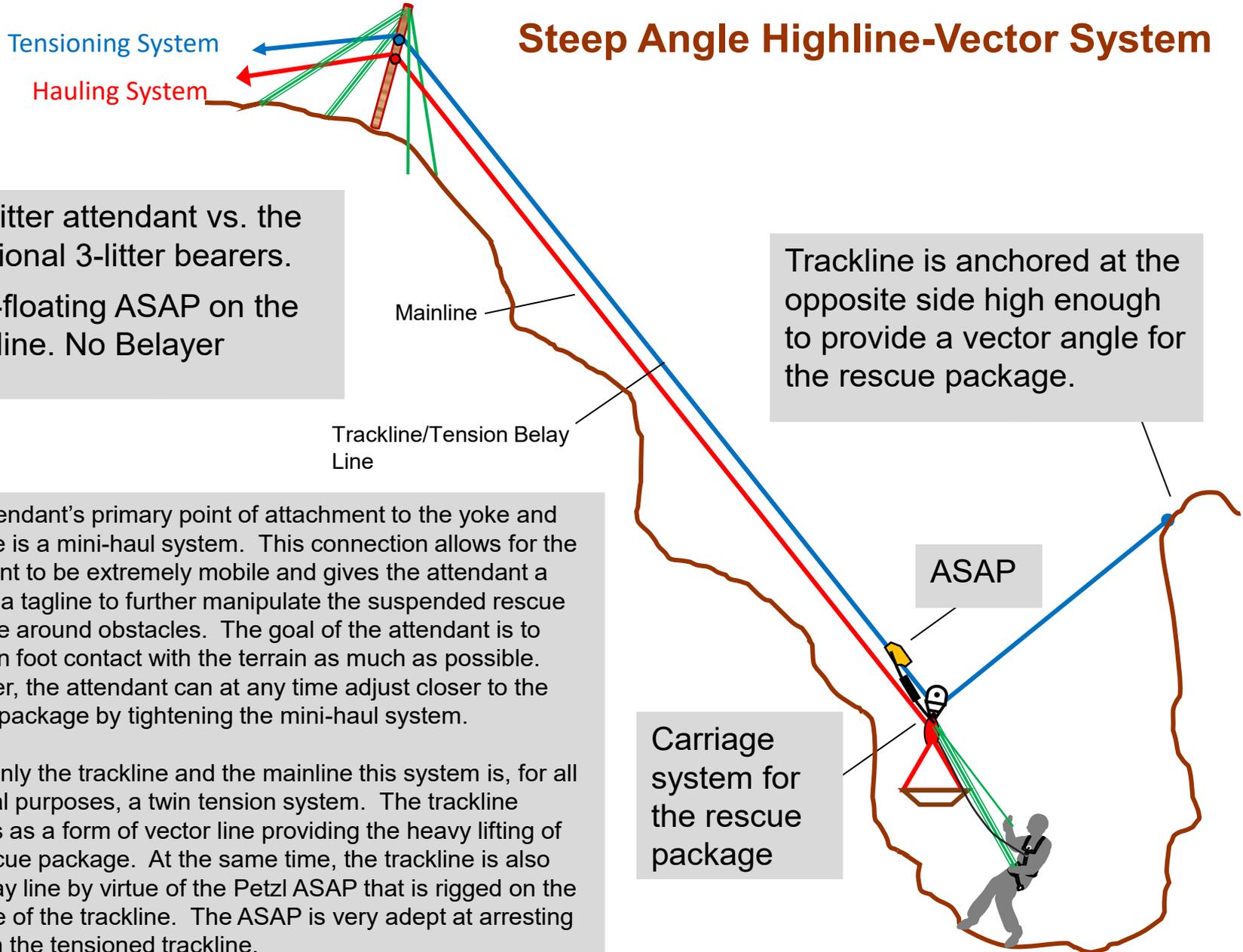
Steep Angle Highline Vector System

Most steep angle operations will be down-and-dirty, low angle carry out or drag the Sked-Stretcher affairs. During one of those extremely rare events where the terrain is boarder-line steep angle or high angle the technique in this module may come in handy with a minimal crew.

Be advised, this rigging can be completed in a timely manner, however, the rescue crew must display true technician level skills by every member.



Steep Angle Highline-Vector System



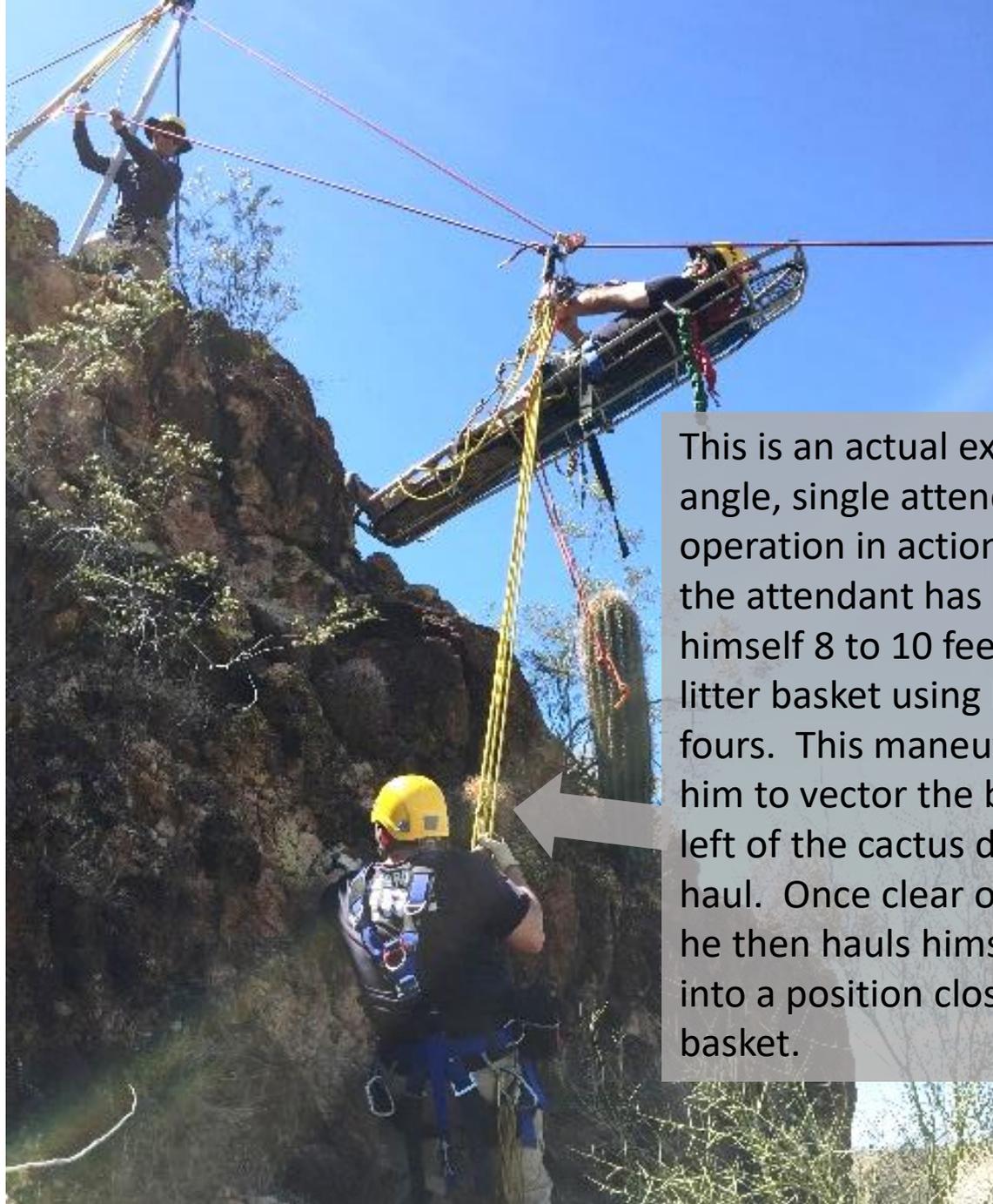
One litter attendant vs. the traditional 3-litter bearers.
Free-floating ASAP on the trackline. No Belay

Trackline is anchored at the opposite side high enough to provide a vector angle for the rescue package.

The attendant's primary point of attachment to the yoke and carriage is a mini-haul system. This connection allows for the attendant to be extremely mobile and gives the attendant a form of a tagline to further manipulate the suspended rescue package around obstacles. The goal of the attendant is to maintain foot contact with the terrain as much as possible. However, the attendant can at any time adjust closer to the rescue package by tightening the mini-haul system.

Using only the trackline and the mainline this system is, for all practical purposes, a twin tension system. The trackline doubles as a form of vector line providing the heavy lifting of the rescue package. At the same time, the trackline is also the belay line by virtue of the Petzl ASAP that is rigged on the 'up' side of the trackline. The ASAP is very adept at arresting a fall on the tensioned trackline.

Carriage system for the rescue package



This is an actual extreme steep angle, single attendant operation in action. Note how the attendant has lowered himself 8 to 10 feet below the litter basket using his Set-of-fours. This maneuver allows him to vector the basket to the left of the cactus during the haul. Once clear of the cactus he then hauls himself back up into a position closer to the basket.