



AERIAL LITTER OPERATION (1.1)

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- **Smeal Operator Guide**

TASK SKILL DESCRIPTION AND DETAIL

Aerial litter operations are used when the normal means of patient egress are not a viable option. The task entails using the aerial ladder to hoist a patient secured in a stokes basket.

- Task: Remove victim from above or below grade
- Conducting aerial litter operations:

#1: Set-up aerial

- Properly position aerial apparatus for rescue
- Stabilize apparatus
- Verify aerial is in "rescue mode"
- Rotate aerial to the side of the apparatus and extend (approximately to the 55ft mark on the ladder)
- Extend aerial rescue eyelets past water way (see Figure 2)



Figure 1



Figure 2



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- Loop one 6' pre-tied blue webbing through each rescue eyelet on the tip of the ladder and bring them together the in tri-lock. Rotate the knot in the webbing so that it is in the middle of the loop.



Figure 3

- Attach the pre-tied figure eights on a bight ("mainline" and "belay line") into the same tri-lock
- used for the blue webbing
- Second tri-lock is pre-rigged (attached) to the other end of the main and belay line



Figure 4



- Attach the litter spider straps to stokes basket

Note Red goes to the head and Blue goes to the feet. Also, the carabineers attach on the top rail between the two vertical bars.



Figure 5

- Attach the tag line to the stokes basket

#2 Place for ladder for rescue

- Raise
- Rotate
- Extend
- Place rescue eyelets and stokes near the intended target (communicate with the spotter at "target")



#3 Secure patient in stokes litter

- Use the pre-assembled patient lashing

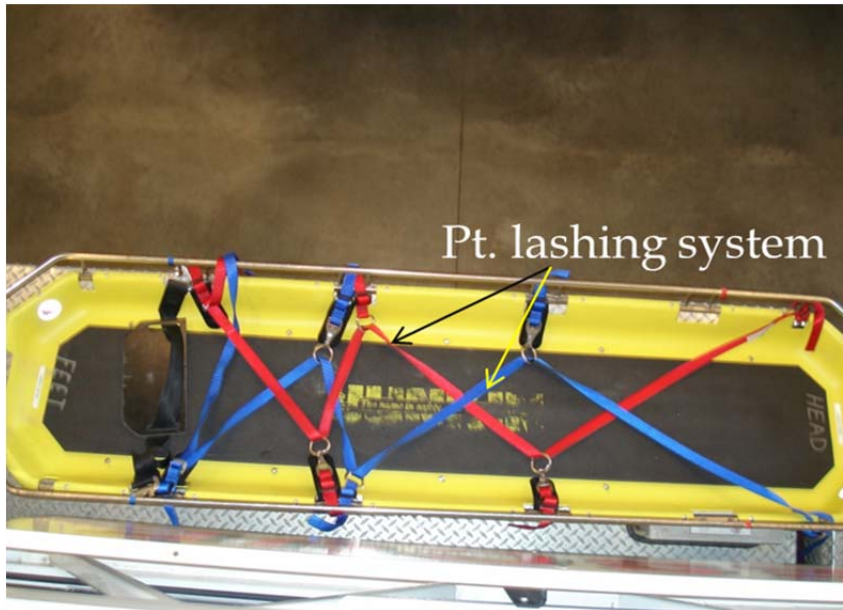


Figure 6

- Secure the patient from head to toe (red to red and blue to blue)

*Patient lashing is good for patients to be lifted in the horizontal position. If the patient needs to be lifted in the vertical position, the patient harness needs to be added along with additional webbing. Consider SOT for patients that need to be lifted in the vertical position.



#4 Litter attendant

- Rope tech attendant:

Attach the Gibbs ascender to the blue attendant line and attach the Gibbs ascender to the Class II harness. The second point of contact is the Aztec kit to the tri-lock.



Figure 7



- Truck company member or trained designee:
Attach the Gibbs ascender to the blue attendant line, and attach the Gibbs to the Class III harness. The second point of contact is the daisy chain to the tri-lock.



Figure 8

*The incident will drive the need for the attendant, exp. Unconscious, airway management, Pt. anxiety, etc.... All Truck company members should know how to set up the litter system with or without an attendant.

#5 Rescue

- Safety system before rescue operations occur
- Establish communications with spotter
- Raise
- Retract
- Lower

*Use tagline to prevent stokes basket rotation during flight. Smooth, controlled movement of the ladder will aid in control of the stokes.

**** Do not exceed ladder tip load of 500lbs****



TASK SKILL INSTRUCTIONAL REQUIREMENTS AND IMPLEMENTATION

This heading includes information about the following:

Associated power point presentation :

- [V:\Fire\Suppression\FIREHOUSE 6\Truck Information\Truck \(0202\) Check Off Forms & Training Material](#)
- **Smeal Operators guide**
- [V:\Fire\Suppression\FIREHOUSE 6\Truck Information\Truck \(0202\) Check Off Forms & Training Material](#)
- **PPE For instructing:**
 - Instructors should have a minimum PPE of helmet and gloves. Attends should have helmet, gloves, harness and two points of contact during attendant operations.
- Primary progression steps for the development of the task
- Evaluation criteria for observing knowledge, skills and abilities
- Safety criteria when instructing on this task