

Pass All \_\_\_\_  
Fail All \_\_\_\_  
Fail Other \_\_\_\_

# FIRE CERTIFICATION TESTING



## **FIREFIGHTER II** **Practical Exam Skill Sheets**

New Hampshire Department of Safety  
Division of Fire Standards and Training and Emergency Medical Services  
Mailing Address: 33 Hazen Drive, Concord, NH 03305  
Location: 98 Smokey Bear Blvd, Concord, NH  
603-223-4200 • 800-371-4503 • fax: 603-271-1091

# Patient Packaging

State of New Hampshire  
 Department Of Safety  
 Division of Fire Standards & Training and Emergency Medical Services  
 Firefighter II – Practical Exam

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Time Allowed: 10 Minutes

Evaluator: \_\_\_\_\_

Total Time: \_\_\_\_\_

<b>Packages Patient</b> <ul style="list-style-type: none"> <li>• Open tarp and place tarp in litter</li> <li>• Inserts foam pad in litter.</li> <li>• Unfold sleeping bag and places in litter. Place patient in sleeping bag, toward the foot of litter.</li> <li>• Fills voids with additional blankets, if needed.</li> <li>• Zips sleeping bag. Wraps patient in tarp making sure feet are wrapped.</li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	
<b>Secures Patient</b> <ul style="list-style-type: none"> <li>• Finds middle of lashing rope, applies girth hitch on main rail center, at foot of litter.</li> <li>• Works rope around main rail of litter with a half hitch to bypass feet.</li> <li>• Runs lashing rope around main rail of litter as necessary to secure patient into litter, forming an 'X' pattern with the rope at approximately one foot intervals.</li> <li>• Finishes lash by tightening each side of the lash and securing each side with clove hitch and safety knot. Rope must not be tied over neck of patient.</li> </ul>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	
<b>Total Points</b>	9	

**Critical Criteria**

- \_\_\_\_\_ Failure to complete the skill within 10 minutes
- \_\_\_\_\_ Improperly ties any knot.
- \_\_\_\_\_ Improper packaging: Did not utilize tarp, foam pad, and sleeping bag. Correct Order is: tarp, pad, sleeping bag, patient.
- \_\_\_\_\_ Lashing not secure, visible slack.
- \_\_\_\_\_ Lashing tied too over neck or interferes with breathing or circulation.

Circle one:                      1<sup>st</sup> Attempt                      Retest



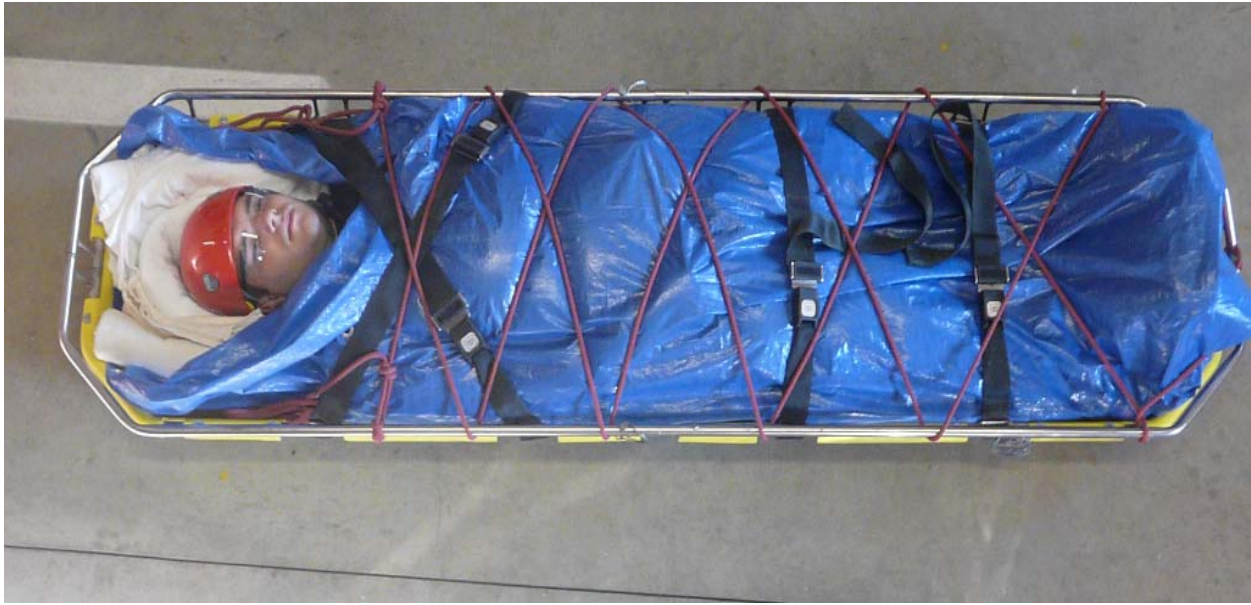
**Document all reasons for not awarding points or for checking any critical criteria.**

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**Evaluator Reference: Skill Drill #2-1**



# Construct/Operate A 3:1 Z-Rig Pulley System

State of New Hampshire  
 Department Of Safety  
 Division of Fire Standards & Training and Emergency Medical Services  
 Firefighter II – Practical Exam

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Time Allowed: 10 Minutes

Evaluator: \_\_\_\_\_

Total Time: \_\_\_\_\_

<b>Assembles necessary equipment</b>	1	
<b>Attaches raising rope to litter using either of the following methods:</b> (1) Rope tied directly to litter: Figure 8 follow through W/safety, 5 wraps around head of main rail, (one wrap on the outside of each of the vertical rails) <b>OR</b> (2) Ties a figure 8 on a bight, with safety, at the end of the haul rope. Wrap a webbing loop with 5 wraps around the main rail, at the head of the litter, (one wrap on the outside of each of the vertical rails), and connect webbing to haul rope with carabiner.	1	
<b>Constructs the anchor</b>		
<ul style="list-style-type: none"> <li>• Chooses a single point anchor appropriate for the load to be raised.</li> <li>• Connects webbing to the anchor point using either a 'Basket' or 'Wrap 3 Pull 2'</li> </ul>	1 1	
<b>Constructs 3 to 1 Z-Rig pulley system</b>		
<ul style="list-style-type: none"> <li>• <b>Constructs the Ratchet Cam</b> <ul style="list-style-type: none"> <li>• Attaches fixed pulley to the haul rope.</li> <li>• Attaches the fixed pulley to the anchor using a carabiner, allowing adequate running end to form the pulley system.</li> <li>• Ties a <b>SHORT</b> 3-wrap prusik hitch onto the load side of the rope, near the fixed pulley, sets the prusik hitch.</li> <li>• Attaches the prusik hitch to the anchor webbing using a 2<sup>nd</sup> carabiner.</li> <li>• Pulley and prusik hitch oriented properly</li> </ul> </li> <li>• <b>Constructs The Haul Cam</b> <ul style="list-style-type: none"> <li>• Places running end of rope alongside the load side of rope</li> <li>• Attaches a traveling pulley to the running end of rope.</li> <li>• Ties a 3-wrap prusik hitch onto the load side of hauling rope, sets the prusik hitch and attaches the prusik hitch to the traveling pulley using a carabiner.</li> </ul> </li> </ul>	1 1 1 1 1 1 1	
<b>Performs A safety check on the system.</b> (Evaluator Stops Time When Check Is Complete)	1	
<b>Hauls the load. Pulley system operates properly. Resets the system and hauls load</b>	1	
<b>Total Points</b>	<b>13</b>	



## Critical Criteria

- \_\_\_\_\_ Choosing inappropriate method of attaching the rescue rope to the litter.
- \_\_\_\_\_ Choosing an inappropriate anchor point.
- \_\_\_\_\_ Constructs anchor improperly.
- \_\_\_\_\_ Knots or hitches tied incorrectly, inappropriate knots or hitches used, lack of safety knot (Double Overhand)
- \_\_\_\_\_ Prusik Hitches not set/do not hold or haul the load. LONG Prusik Hitch used as ratchet cam.
- \_\_\_\_\_ Incorrect use of carabiners (side loaded or unlocked carabiner)
- \_\_\_\_\_ Incorrect construction of the mechanical advantage system or system does not operate properly, candidate unable to operate or reset the system.
- \_\_\_\_\_ Failure to complete the skill in the allotted time of 10 minutes.

Circle one:            1<sup>st</sup> Attempt                      Retest

**Document all reasons for not awarding points or for checking any critical criteria.**

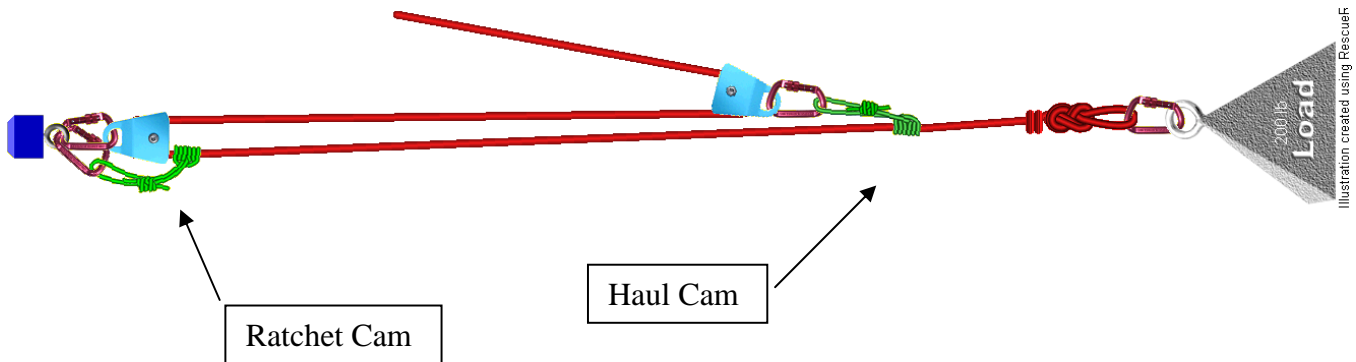
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**Evaluator Reference: Skill Drill #2-2 3:1 Z-Rig, #2-13, Construct Anchor, Knots Skill Drills**

# Tying Rescue Knots

State of New Hampshire  
 Department Of Safety  
 Division of Fire Standards & Training and Emergency Medical Services  
 Firefighter II – Practical Exam




Candidate: \_\_\_\_\_



Date: \_\_\_\_\_

Time Allowed: 7 Minutes

Evaluator: \_\_\_\_\_

Total Time: \_\_\_\_\_

<p><b>Ties Figure 8 Follow Through (Skill Drill #2-6)</b></p>  <p style="text-align: right;"><b>Requires Safety Knot</b></p>	1	
<p><b>Ties Figure 8 Bend (Skill Drill #2-7)</b></p>  <p style="text-align: right;"><b>Requires Safety Knot</b></p>	1	
<p><b>Ties Alpine Butterfly (Skill Drill #2-8)</b></p> 	1	

<p><b>Ties Double Fisherman Bend (Skill Drill #2-12)</b></p> 	1	
<p><b>Ties Water Bend (Skill Drill #2-10)</b></p> 	1	
<b>Total Points</b>	5	

**Critical Criteria**

- \_\_\_\_\_Ties a knot incorrectly.
- \_\_\_\_\_Ties a safety knot incorrectly or does not tie a safety knot where required.
- \_\_\_\_\_Failure to complete the skill in the allotted time of 7 minutes.



Circle one:            1<sup>st</sup> Attempt                            Retest

**Document all reasons for not awarding points or for checking any critical criteria.**

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**Evaluator Reference: Skill Drill #2-6, #2-7, #2-8, #2-10, #2-12**

# Conducting a Weekly/Monthly Generator Test

State of New Hampshire  
 Department of Safety  
 Division of Fire Standards & Training and Emergency Medical Services

## Firefighter II – Practical Examination

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Time allowed: 5 Minutes

Total Time: \_\_\_\_\_

	Points Possible	Points Awarded
<b>GENERATOR HAS ALL READY BEEN REMOVED FROM APPARATUS</b>		
Checks oil and fuel levels	1	
Starts generator <i>(must turn on fuel switch if equipped)</i>	1	
Connects power cord or junction box to generator	1	
Connects a load (fan or lights) and listens as engine revs up to proper speed	1	
Checks voltage and amperage gauges to confirm efficient operation	1	
Verbalizes running generator under load for 15 to 30 minutes	1	
Turns off load and listens as generator slows down to idle speed	1	
Turns off generator	1	
Disconnects all power cords and junction boxes	1	
<b>Total:</b>	<b>9</b>	

### CRITICAL CRITERIA

- \_\_\_\_\_ Failure to turn on fuel switch if equipped
- \_\_\_\_\_ Failure to close fuel cap before starting
- \_\_\_\_\_ Failure to complete station in 5 minutes
- \_\_\_\_\_ Failure to secure oil or gas cap before starting
- \_\_\_\_\_ Connects load before starting generator



Circle one:    1<sup>st</sup> Attempt                      Retest

**You must factually document on the back of the sheet the reason(s) for not awarding points or for checking any critical criteria.**



# Placing A Foam Line in Service and Performing the Sweep Method of Applying Foam

State of New Hampshire  
Department of Safety  
Division of Fire Standards & Training and Emergency Medical Services

## Firefighter II – Practical Examination

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Time allowed: 5 minutes

Total Time: \_\_\_\_\_

	Points Possible	Points Awarded
<b>PLACE A FOAM LINE IN SERVICE</b>		
Verbalizes proper foam concentrate for spill/fire	1	
Attack lines need to be procured. Removes nozzle and replaces with air aspirating nozzle.	1	
Verbalizes Placing in-line eductor no more than 150' from nozzle.	1	
Selects proper concentration on metering valve	1	
Places foam concentrate container next to eductor. Checks percentage of concentrate.	1	
Places pick-up tube from eductor into concentrate; keeps both items at similar elevations.	1	
Verbalizes the charging of hose line, and verbalizes the flow of water through nozzle until foam appears.	1	
<b>SWEEP METHOD OF APPLYING FOAM</b>	1	
Opens nozzle to verbalize and simulate that foam is produced.	1	
Moves into safe range and opens nozzle.	1	
Verbalizes the directing of foam onto ground in front of pool of product.	1	
Verbalizes the method of foam rolling across top of pool until completely covered.	1	
Total:	12	

### Critical Criteria

- \_\_\_\_\_ Does not verbalize proper foam concentrate for spill/fire
- \_\_\_\_\_ Incorrect or incompatible eductor/ nozzle configuration
- \_\_\_\_\_ Failure to complete skill station in 5 minutes
- \_\_\_\_\_ Does not wear PPE
- \_\_\_\_\_ Failure to recognize a hydrocarbon spill and verbalize correct pump pressure as asked for in directions



Circle one:    1<sup>st</sup> Attempt                      Retest

**You must factually document on the back of the sheet the reason(s) for not awarding points or for checking any critical criteria.**

# Construct/Operate A Tandem Prusik Belay

State of New Hampshire  
Department Of Safety

Division of Fire Standards & Training and Emergency Medical Services  
Firefighter II – Practical Exam

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Time Allowed: 10 Minutes

Total Time: \_\_\_\_\_

<b>Attaches belay rope to the litter:</b>		
• Ties an alpine butterfly on the belay rope approximately 8-10 feet from the end.	1	
• Ties a figure 8 on a bight W/safety at the end of the belay rope.	1	
• Wrap a 12 Ft. webbing loop at the head of the litter, around the main rail, using 5 wraps, (one wrap on the outside of each of the vertical rails).	1	
• Connect the alpine butterfly to the webbing with a carabiner.	1	
<b>Constructs the anchor</b>		
• Chooses an anchor point appropriate for the load to be belayed.	1	
• Connects webbing to the anchor point using either a 'Basket' or 'Wrap 3 Pull 2'	1	
<b>Constructs the Tandem Prusik Belay</b>		
• Connects load release strap to the anchor.	1	
• Ties two, three-wrap prusik hitches onto the rope, one short and one long with the short hitch nearest the anchor.	1 1	
• Connect both Prusik Hitches to the Load Release Strap with a carabiner.	1	
• Attaches a pulley on the belay rope between the Prusik Hitches and the Load Release Strap. Connects the pulley to the Load Release Strap using a separate carabiner.	1	
<b>Performs A safety check on the system</b> (Evaluator Stops Time When Check Is Complete)	1	
<b>Belays the load. Belay system operates properly for both a raising and lowering belay</b>	1	
<b>Total Points</b>	12	

## Critical Criteria

- \_\_\_\_\_ Choosing inappropriate method of attaching the belay rope to the load.
- \_\_\_\_\_ Choosing an inappropriate anchor point or constructs anchor improperly.
- \_\_\_\_\_ Any knot/hitch tied incorrectly, lack of Double Overhand Safety, Prusik Hitches do not hold the load or inappropriate knots or hitches.
- \_\_\_\_\_ Incorrect use of carabiners (side loaded or unlocked carabiner).
- \_\_\_\_\_ Incorrect construction of the Tandem Prusik Belay: Does not use one short and one long Prusik Hitch, pulley not located correctly, or the belay does not operate properly.
- \_\_\_\_\_ Incorrect operation of either the lowering or raising belay.
- \_\_\_\_\_ Failure to complete the skill in the allotted time of 10 minutes.

Circle one:

1<sup>st</sup> Attempt

Retest



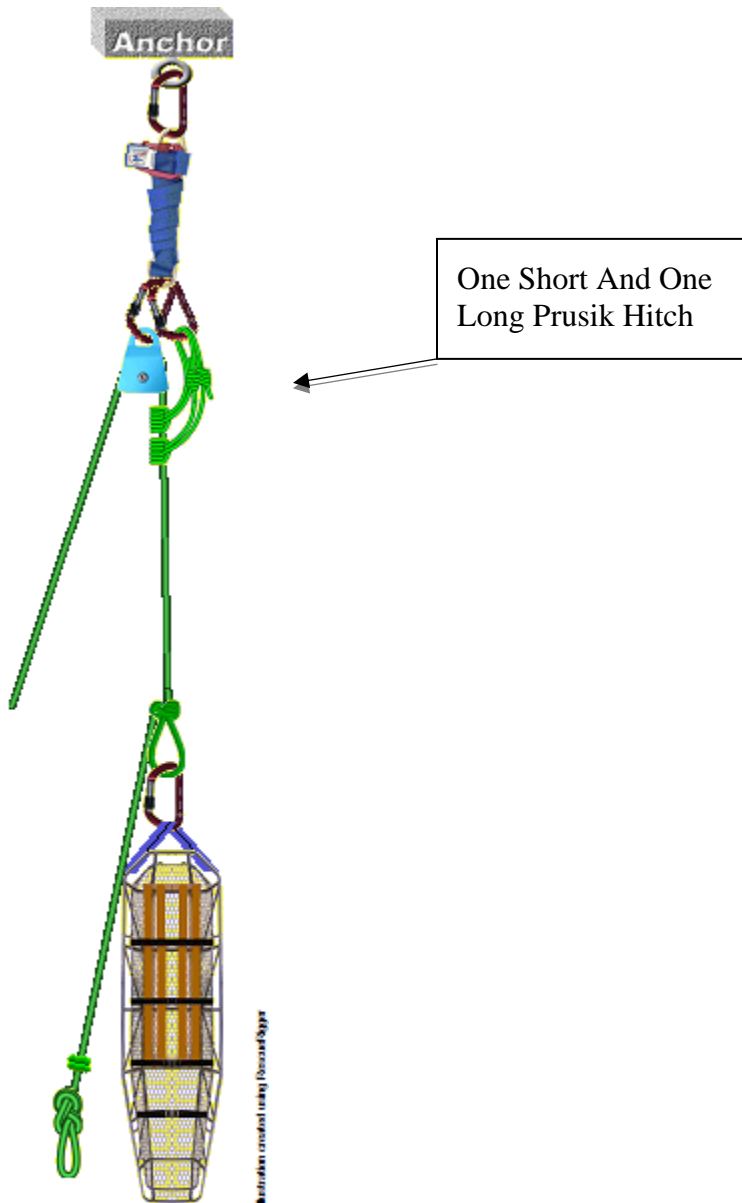
Document all reasons for not awarding points or for checking any critical criteria.

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Evaluator Reference: Skill Drill# 2-15, Tandem Prusik Belay, 2-13, Construct Anchor, Knot Skill Drills.



# Rappelling

State of New Hampshire  
Department Of Safety  
Division of Fire Standards & Training and Emergency Medical Services  
Firefighter II – Practical Exam

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Time Allowed: 10 Minutes

Total Time: \_\_\_\_\_

<b>Dons Helmet</b>	1	
<b>Loads the Figure 8 Descender onto the rope (Evaluator Starts Time)</b>		
<ul style="list-style-type: none"> <li>• Make a bight with rope, passing the bight up through the large hole and over the waist of the descender.</li> </ul>	1	
<ul style="list-style-type: none"> <li>• Attaches the figure 8 descender to the harness attachment point with a carabiner so the rope is running across the bottom of the descender's waist and rope feeds into the same side of the descender as the brake hand.</li> </ul>	1	
<b>Attaches belay line to the harness attachment point with carabiner.</b>	1	
<b>Communications</b>		
<ul style="list-style-type: none"> <li>• Communicates with belayer asking "On 'Belay?'"</li> </ul>	1	
<ul style="list-style-type: none"> <li>• When belay is confirmed, the candidate advises the belayer he/she is 'Rappelling'</li> </ul>	1	
<b>Negotiates the edge</b>	1	
<b>Rappels smoothly, feet spread apart against wall, keeping legs 90 degrees to the slope.</b>	1	
<b>Stops, locks off the Figure 8 Descender.</b>		
<ul style="list-style-type: none"> <li>• Rappels a minimum of 5-10 feet.</li> </ul>	1	
<ul style="list-style-type: none"> <li>• Grasp waist of descender with control hand.</li> </ul>	1	
<ul style="list-style-type: none"> <li>• Holds rope tight with brake hand, letting hand move toward descender</li> </ul>	1	
<ul style="list-style-type: none"> <li>• At about 8 inches away, draw rope over the top of the descender and wedge it down between the descender and the standing line.</li> </ul>	1	
<ul style="list-style-type: none"> <li>• Make a second wrap like the first, making sure both wraps are wedged.</li> </ul>	1	
<ul style="list-style-type: none"> <li>• Make a bight with the rope, run it through the large hole in the descender and wrap over both ears.</li> </ul>	1	
<b>When advised by the evaluator, removes the lock, continues the rappel to the ground.</b>	1	
<b>Once on the ground, calls 'Off Rappel' and 'Off Belay', disconnects from both the rappel and belay lines.</b>	1	
<b>Total Points</b>	<b>15</b>	



## Critical Criteria

- \_\_\_\_\_ Failure to attach or improper connection of belay line to harness
- \_\_\_\_\_ Incorrect attachment of descender to rope and to harness
- \_\_\_\_\_ Incorrect rappel technique or Inability to rappel or is not under control during rappel, locking and restarting
- \_\_\_\_\_ Unable to lock off or incorrect locking off technique
- \_\_\_\_\_ Carabiners not locked or loaded improperly
- \_\_\_\_\_ Begins rappel prior to communicating with belayer, assuring that the student is 'On Belay'
- \_\_\_\_\_ Failure to complete the skill in the allotted time of 10 minutes.

Circle one:                    1<sup>st</sup> Attempt                    Retest

**Document all reasons for not awarding points or for checking any critical criteria.**

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**Evaluator Reference: Skill Drill #2-18, Rappelling**

# Ascend A Fixed Rope

State of New Hampshire  
 Department Of Safety  
 Division of Fire Standards & Training and Emergency Medical Services  
 Firefighter II – Practical Exam

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Time Allowed: 10 Minutes

Total Time: \_\_\_\_\_

<b>Dons Helmet</b>	1	
<b>Constructs ascending system. (Start Time)</b>		
<ul style="list-style-type: none"> <li>• Attaches two Prusik Hitches to the rope.</li> <li>• Connects the upper Prusik Hitch to the harness with carabiner.</li> <li>• Connect the lower Prusik Hitch to a carabiner and a short length of looped webbing.</li> <li>• Connects webbing or rope sling from the rescuer's harness to the lower Prusik Hitch's carabiner.</li> <li>• Rescuer places a foot in the webbing loop. Loops can be placed around the foot to help keep it from slipping off and to shorten the webbing if needed.</li> </ul>	1 1 1 1 1	
<b>Attaches belay line to the harness attachment point with carabiner.</b>	1	
<b>Communications</b>		
<ul style="list-style-type: none"> <li>• Communicates with belayer asking "On 'Belay?"</li> <li>• When belay is confirmed, the candidate advises the belayer he/she is 'Ascending'</li> </ul>	1 1	
<b>Operates the ascending system</b>		
<ul style="list-style-type: none"> <li>• Slide the upper Prusik Hitch as high as possible.</li> <li>• Rescuer sits in harness.</li> <li>• Slide the lower Prusik Hitch as high as possible, bending the leg.</li> <li>• While holding the rope, stand up.</li> <li>• Repeat the above procedure</li> </ul>	1 1 1 1 1	
<b>Once at the designated safe location, calls 'Off System' and 'Off Belay', disconnects from both the fixed and belay lines. (Stop Time)</b>	1	
<b>Total Points</b>	15	



## Critical Criteria

- \_\_\_\_\_ Does not utilize helmet
- \_\_\_\_\_ Failure to attach or improper connection of belay line to harness
- \_\_\_\_\_ Incorrect attachment of ascending system
- \_\_\_\_\_ Inability to climb or is not under control during the climb
- \_\_\_\_\_ Carabiners not locked or loaded improperly
- \_\_\_\_\_ Begins climb prior to communicating with belayer, assuring that the candidate is 'On Belay'
- \_\_\_\_\_ Failure to complete the skill in the allotted time of 10 minutes.

Circle one:                    1<sup>st</sup> Attempt                    Retest

**Document all reasons for not awarding points or for checking any critical criteria.**

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**Evaluator Reference: Skill Drill #2-23 Ascend Fixed Rope, #2-11 Prusik Hitch, Knots Skill Drills**

# Donning A Class III Rescue Harness

State of New Hampshire  
 Department Of Safety  
 Division of Fire Standards & Training and Emergency Medical Services  
 Firefighter II – Practical Exam

Candidate: \_\_\_\_\_

Date: \_\_\_\_\_

Evaluator: \_\_\_\_\_

Time Allowed: 3 Minutes

Total Time: \_\_\_\_\_

Note: This donning procedure is for the Troll Class III harness. Candidates should refer to the manufacturer's instruction manual for harnesses from other manufacturers.		
<b>Prepares harness:</b>		
• Lays out harness, making sure no twists in the webbing.	1	
• Loosens all adjustable straps.	1	
<b>Donning Harness (Start Time)</b>		
• Places shoulder straps onto shoulders using the 'Coat' method.	1	
• Locates yellow web loop between legs, pulls loop up to chest.	1	
• Secures chest strap by running it through the top yellow loop and securing the strap by placing the metal buckle through its keeper then tightening the chest strap.	1	
• Attaches the plastic clip on the chest strap, holding the yellow loop in position.	1	
• Secures waist belt/straps by placing metal buckles through their keeper then tightening the waist straps.	1	
• Secures leg loops by placing metal buckles through their keeper then tightening.	1	
• Tightens shoulder straps by pulling up on slack end of strap.	1	
• Tucks all loose webbing ends into their elastic bands.	1	
Total Points	10	

### Critical Criteria

- \_\_\_\_\_ Incorrect donning of harness.
- \_\_\_\_\_ Any buckle fastened improperly or buckle not utilized.
- \_\_\_\_\_ Webbing not tightened, visible slack.
- \_\_\_\_\_ Loose webbing not tucked away
- \_\_\_\_\_ Failure to complete the skill in the allotted time of 3 minutes.



Circle one:            1<sup>st</sup> Attempt                            Retest

**Document all reasons for not awarding points or for checking any critical criteria.**

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