

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: _____

Packages Patient <ul style="list-style-type: none"> • Open tarp and place tarp in litter • Inserts foam pad in litter. • Unfold sleeping bag and places in litter. Place patient in sleeping bag, toward the foot of litter. • Fills voids with additional blankets, if needed. • Zips sleeping bag. Wraps patient in tarp making sure feet are wrapped. 	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	
Secures Patient <ul style="list-style-type: none"> • Finds middle of lashing rope, applies girth hitch on main rail center, at foot of litter. • Works rope around main rail of litter with a half hitch to bypass feet. • 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. • 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. 	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	
Total Points	9	

Critical Criteria

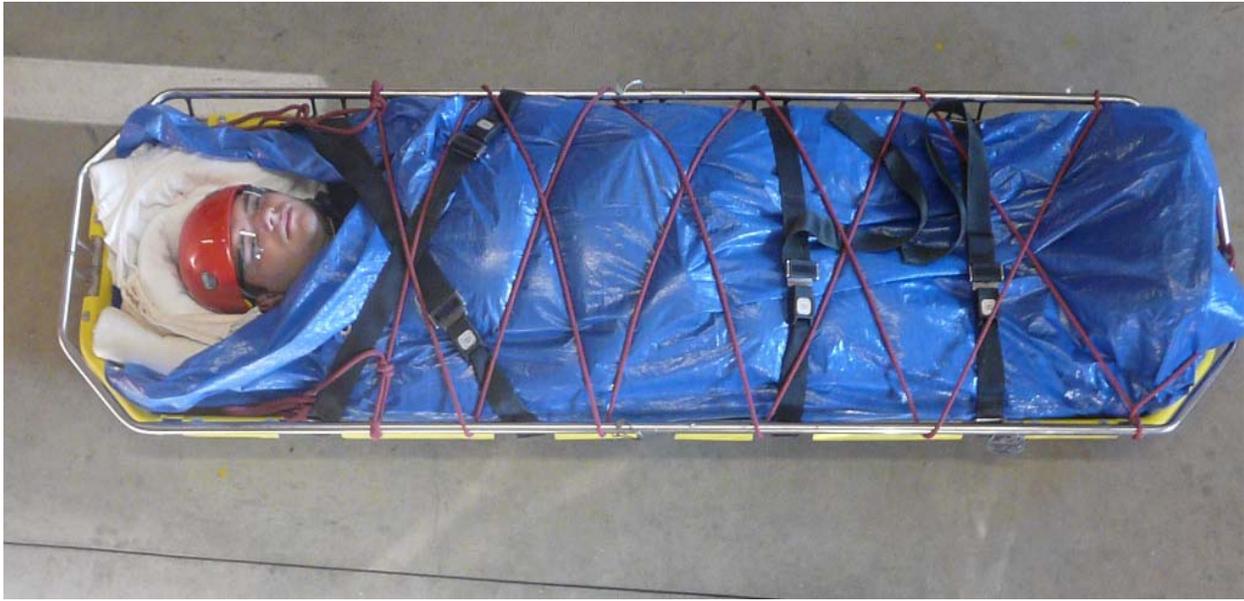
- _____ Failure to complete the skill within 10 minutes
- _____ Improperly ties any knot.
- _____ Improper packaging: Did not utilize tarp, foam pad, and sleeping bag. Correct Order is: tarp, pad, sleeping bag, patient.
- _____ Lashing not secure, visible slack.
- _____ Lashing tied too over neck or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

Circle one: 1st Attempt Retest



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

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: _____

Assembles necessary equipment	1	
Attaches raising rope to litter using either of the following methods: (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) OR (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	
Constructs the anchor		
<ul style="list-style-type: none"> • Chooses a single point anchor appropriate for the load to be raised. • Connects webbing to the anchor point using either a 'Basket' or 'Wrap 3 Pull 2' 	1 1	
Constructs 3 to 1 Z-Rig pulley system		
<ul style="list-style-type: none"> • Constructs the Ratchet Cam <ul style="list-style-type: none"> • Attaches fixed pulley to the haul rope. • Attaches the fixed pulley to the anchor using a carabiner, allowing adequate running end to form the pulley system. • Ties a SHORT 3-wrap prusik hitch onto the load side of the rope, near the fixed pulley, sets the prusik hitch. • Attaches the prusik hitch to the anchor webbing using a 2nd carabiner. • Pulley and prusik hitch oriented properly • Constructs The Haul Cam <ul style="list-style-type: none"> • Places running end of rope alongside the load side of rope • Attaches a traveling pulley to the running end of rope. • 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. 	1 1 1 1 1 1 1	
Performs A safety check on the system. (Evaluator Stops Time When Check Is Complete)	1	
Hauls the load. Pulley system operates properly. Resets the system and hauls load	1	
Total Points	13	

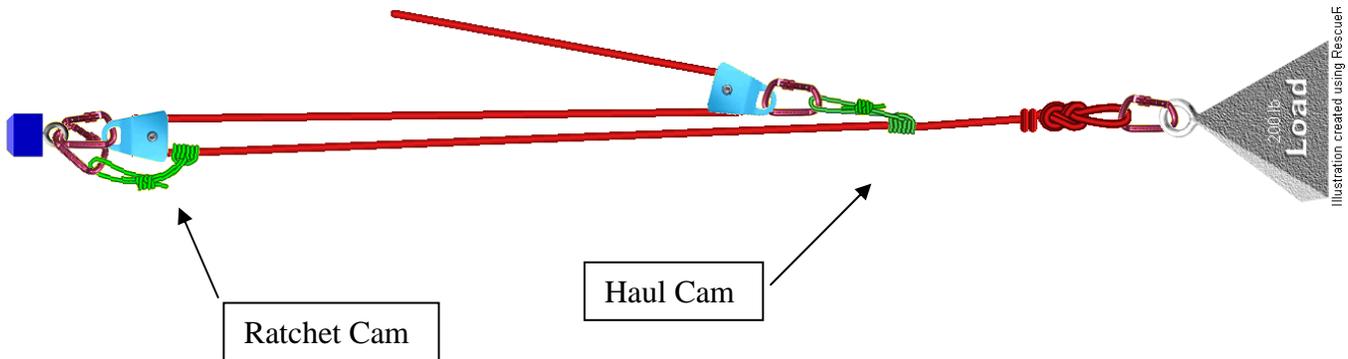


Critical Criteria

- _____ 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: 1st Attempt Retest

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



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: _____

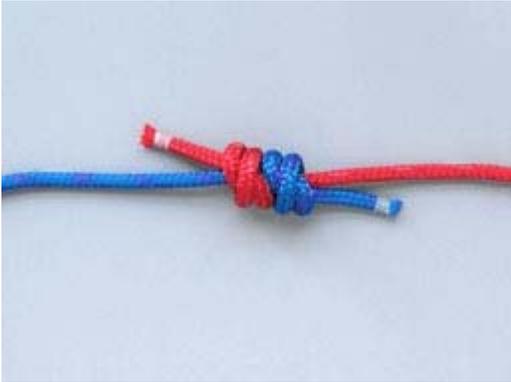
Date: _____

Time Allowed: 7 Minutes

Evaluator: _____

Total Time: _____

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

Ties Double Fisherman Bend (Skill Drill #2-12) 	1	
Ties Water Bend (Skill Drill #2-10) 	1	
Total Points	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 10 minutes.



Circle one: 1st Attempt Retest

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

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
GENERATOR HAS ALL READY BEEN REMOVED FROM APPARATUS		
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	
Total:	9	

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: 1st 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
PLACE A FOAM LINE IN SERVICE		
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	
SWEEP METHOD OF APPLYING FOAM	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: 1st 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: _____

Attaches belay rope to the litter:		
• 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	
Constructs the anchor		
• 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	
Constructs the Tandem Prusik Belay		
• 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	
Performs A safety check on the system (Evaluator Stops Time When Check Is Complete)	1	
Belays the load. Belay system operates properly for both a raising and lowering belay	1	
Total Points	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:

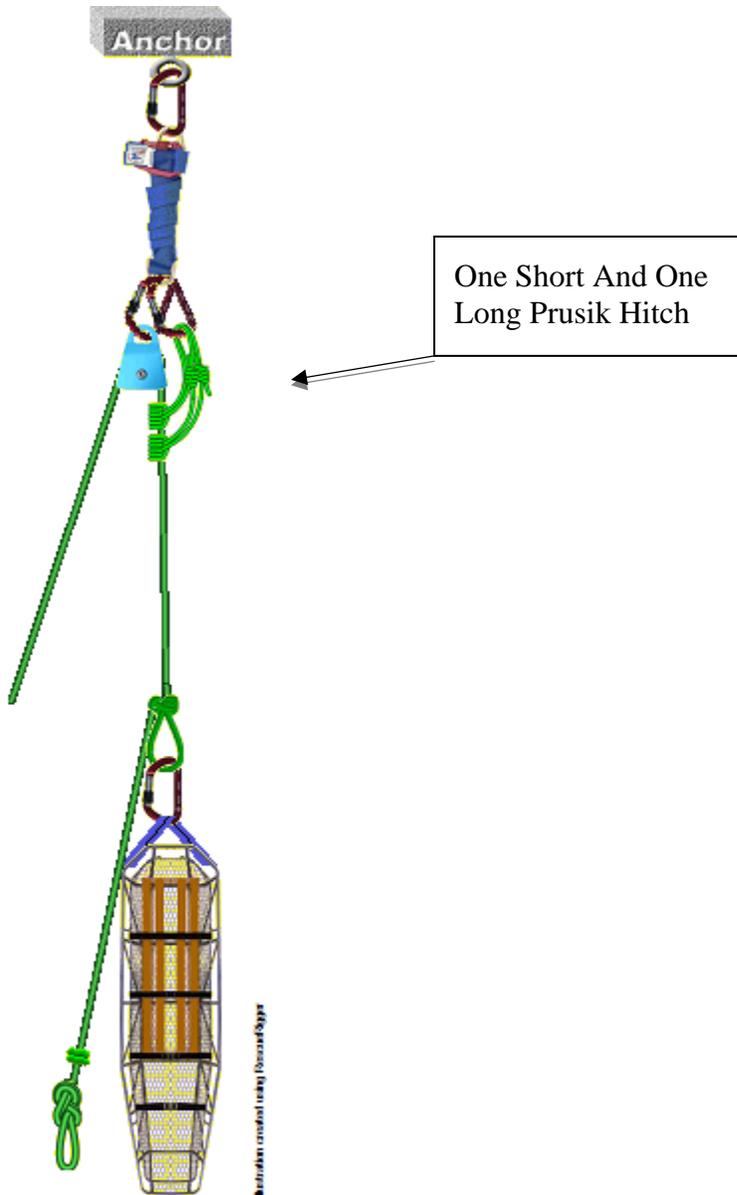
1st Attempt

Retest



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

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: _____

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



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: 1st Attempt Retest

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

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: _____

Dons Helmet	1	
Constructs ascending system. (Start Time)		
<ul style="list-style-type: none"> • Attaches two Prusik Hitches to the rope. • Connects the upper Prusik Hitch to the harness with carabiner. • Connect the lower Prusik Hitch to a carabiner and a short length of looped webbing. • Connects webbing or rope sling from the rescuer’s harness to the lower Prusik Hitch’s carabiner. • 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. 	1 1 1 1 1	
Attaches belay line to the harness attachment point with carabiner.	1	
Communications		
<ul style="list-style-type: none"> • Communicates with belayer asking “On ‘Belay?’ • When belay is confirmed, the candidate advises the belayer he/she is ‘Ascending’ 	1 1	
Operates the ascending system		
<ul style="list-style-type: none"> • Slide the upper Prusik Hitch as high as possible. • Rescuer sits in harness. • Slide the lower Prusik Hitch as high as possible, bending the leg. • While holding the rope, stand up. • Repeat the above procedure 	1 1 1 1 1	
Once at the designated safe location, calls ‘Off System’ and ‘Off Belay’, disconnects from both the fixed and belay lines. (Stop Time)	1	
Total Points	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: 1st Attempt Retest

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

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.		
Prepares harness:		
• Lays out harness, making sure no twists in the webbing.	1	
• Loosens all adjustable straps.	1	
Donning Harness (Start Time)		
• 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: 1st Attempt Retest

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