



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.2. 5.5.14 **Primary Task:** ANCHOR EXTENSION

Skill No. AE1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of: anchors, length of 12.5mm rope, lengths of 1" flat or tubular webbing, two carabiners.
2. The candidate will work alone.
3. The evaluator shall mark a termination point on the ground.
4. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given rope and auxiliary equipment, shall construct an anchor extension in a manner that would sustain an anticipated load of 300 lbf or more.”

Webbing/ Extension Attachment Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge;
- Attachment to anchor is dressed and twists are minimized.

1-

- Anchors are adequate for life support but knot is not appropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.
- Direction of pull is not toward designated edge- in a manner that would compromise safety when loaded.

Extension Configuration Evaluation Criteria:

2- (all must apply)

- Extension attaches to anchor and utilizes a minimum of two (2) lines;
- Extension attachment is fixed and does not slide;
- Extension is secure and holds tension;
- Extension is terminated within 12" of designated point



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PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

1-

- Extension utilized only one (1) line of strength;
- Extension may allow slippage before holding when loaded;
- Multiple legs are not equally tensioned;
- Extension is terminated more than 12" but less than 18" of designated point.

0- (any score zero)

- Extension is not secured or will not remain secure when loaded,
- Extension is constructed using inappropriate materials;
- Extension is terminated more than 18" of designated point or beyond edge.

Knot Evaluation Criteria:

2-

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied,
- Safety (when required) absent.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates a system safety check before testing or operating system;

0- (any score zero)

- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient.
- Candidate does not demonstrate a system safety check before beginning operation.

Time:

0-

- Candidate exceeds more than 8 minutes to complete the skill.

Safety is PARAMOUNT!!

**Candidate must score 7
out of a possible 8 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.**

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



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Objective(s) NFPA 1006- 08: JPR: 6.1.5, 6.1.6, 6.2.1, 5.5.14 **Primary Task:** Ascending & Descending

Skill No. AD1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 4)

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: Fixed line, belay system, various ascending (sit-stand and/or ropewalking style) and descending equipment, extra carabiners & miscellaneous equipment.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. The candidate may use personal climbing system upon inspection of the evaluator.
5. Time begins when candidate begins to attach to rope and stops when on ground again.
6. Evaluator shall identify when the climber has reached the 20 ft ascending mark, and the 5 ft mark when downclimbing.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, wearing PPE and given equipment likely to be used in a technical rescue, shall ascend a minimum of 20 feet, downclimb 5 ft, changeover and descend a fixed rope.”

Ascending System and Descending Equipment Evaluation Criteria:

2- (all must apply)

- Life support equipment is chosen and appropriately applied;
- Candidate is able to assemble and don a safe system;
- System has at least 2 gripping points of attachment;
- Candidate plans for descent and chooses an appropriate descent control device.

1-

- Equipment is appropriate but applied inefficiently;
- Harness is loose fitting or not donned snug to rescuer resulting in improper fit.

0- (any score zero)

- Chosen equipment is not life support or is inappropriately applied;
- Candidate is unable to assemble and don an ascending system;
- System is unsafe to rescuer (i.e. connection(s) unlocked, equipment is worn or damaged, upper attachment is out of climber’s reach when used.)

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Objective(s) NFPA 1006- 08: JPR: 6.1.5, 6.1.6, 6.2.1, 5.5.14 Primary Task: Ascending & Descending

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 4)

Climbing Evaluation Criteria:

2- (all must apply)

- Candidate ascends safely and efficiently;
- Maintains a minimum of two gripping points of attachment to the rope during ascent;
- Manages bottom tension without assistance;
- Demonstrates proficiency in overcoming ledges, obstacles or potential hazards.

1-

- Requires assistance to manage bottom tension;
- System adjustment is off to the degree that it hinders ascent;
- System is fitted, but technique requires undue effort;
- Candidate flails about and waste energy in an effort to make progress, but is able to slowly climb.

0- (any score zero)

- Candidate does not maintain a minimum of 2 gripping attachments to the rope during ascent;
- System does not function;
- Candidate is unable to ascend the required distance.

Downclimbing Evaluation Criteria:

2- (all must apply)

- Candidate is able to downclimb safely and efficiently;
- Maintains a minimum of two gripping points of attachment to the rope during down climb.

1-

- Candidate is able to downclimb but with undue effort;
- Candidate flails about while on rope.

0- (any score zero)

- Candidate does not maintain a minimum of 2 gripping attachments to the rope during ascent;
- Candidate is unable to downclimb the required distance;
- Sits on belay and is unable to determine problem of weight transfer;
- Relies on belayer to lower him/her into personal climbing system.

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Objective(s) NFPA 1006- 08: JPR: 6.1.5, 6.1.6, 6.2.1, 5.5.14 **Primary Task:** Ascending & Descending

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 4)

Changeover Evaluation Criteria:

2- (all must apply)

- Candidate changes over safely and efficiently;
- Candidate maintains a minimum of 2 points of attachment to the rope until descender is loaded and operational;
- Candidate tests descender before removing upper attachment from the rope.

1-

- Takes more than 2 attempts to transfer weight off upper attachment to descent control device;
- Unintentionally weights upper attachment point when testing descender;
- Puts toes on wall or ledge to assist transfer of weight.

0- (any score 0)

- Candidate removes attachment(s) and is suspended by a single point of attachment at any time during the changeover;
- Fails to transfer weight from ascending system to descender without assistance;
- Candidate completely stands on a ledge (if available) to complete changeover;
- Candidate must be lowered.

Rappelling Evaluation Criteria:

2- (all must apply)

- Rappels in a controlled manner;
- Candidate demonstrates control and is able to stop, lock off descender, and resume rappel;
- Removes friction as needed to rappel at a comfortable and controlled rate.

1-

- Candidate is not able to demonstrate lock off without creeping more than 6".

0- (any score zero)

- Candidate fails to maintain control of descent device at any time;
- Candidate is unable to lock off decender;
- Carabiner is cross-loaded or unlocked.

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TECHNICAL ROPE RESCUER**



Objective(s) NFPA 1006- 08: JPR: 6.1.5, 6.1.6, 6.2.1, 5.5.14 **Primary Task:** Ascending & Descending

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 4)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1-

- Candidate drops non-essential gear or equipment during operation, and yells, "Rock!"
- Candidate is unsure of commands;
- Candidate does not project command so others may hear or see during operation;

0- (any score zero)

- Candidate drops essential gear or equipment during operation without being able to overcome problem (i.e. drops rack and can not safely descend using a munter);
- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate is demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria:

2- • Under 12 minutes

1- • More than 12 minutes, but less than 20 minutes

0- • Over 20 minutes

Safety is PARAMOUNT!!

Candidate must score **12**
out of a possible 14 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.

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Objective(s) NFPA 1006- 08: JPR: 5.5.13, 5.5.12, 5.5.14 **Primary Task:** BELAY A FALLING LOAD

Skill No. BFL1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with: a rigged belay system as determined by the AHJ appropriate for the anticipated load, rigged raise/lower system with at minimum a double carabiner high directional edge/ natural edge, minimum load of 150 lbf.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. Evaluator shall provide a minimum vertical drop a distance of 20 ft.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a belay system, a raise/ lower system and a sizable load, shall operate the belay as the member of a rope rescue team.”

Belay System Operation Evaluation Criteria:

2- (all must apply)

- Operates system as designed (commensurate with belay operations criteria)
- Belay is not taut until the load is falling;
- Candidate communicates the system has actuated after the load falls;
- Candidate is able to arrest the falling load within 6" before system actuates;
- Candidate operates the belay for both raise and lower maintaining appropriate tension (i.e. less than 24" slack)

0- (any score zero)

- Unable to operate belay system as designed;
- Unable to arrest the falling load, or the rope travels more than 30" before system actuates;
- Candidate is injured or otherwise incapacitated during the actuation of the belay;
- Candidate is unsafe during operation.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.13, 5.5.12, 5.5.14 Primary Task: BELAY A FALLING LOAD

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system;

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation

Safety is PARAMOUNT!!

Candidate must score **4**
out of a possible 4 to pass
with no zeros in any category.

Candidate will be limited to one additional attempt.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.11, 5.5.12, 5.5.13, 5.5.14 Primary Task: BELAY SYSTEM

Skill No. BS1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 4)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of: an anchor, 12.5mm static kermantle rope, multiple carabiners, various lengths 1" webbing, 8mm cordage, pulleys, and prusiks.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. Evaluator shall designate edge in relation to the anchor.
5. Evaluator shall provide a load and a minimum travel distance of 10 ft.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given rope and equipment likely to be used in a technical rescue, shall construct and operate a belay system suitable for an anticipated load of [RANDOM SELECTION] a minimum of 10 ft while addressing edge concerns.”

Evaluators choose one of following options:

- a) 300 lbf or less
- b) 300 lbf or more

Belay Device System Set-up Evaluation Criteria:

2- (all must apply)

- Belay device is properly chosen, reeved and functions efficiently as determined by the manufacturer (when applicable);
- Belay device is appropriately located in relation to the mainline.

1-

- Belay device is properly reeved and functions but is not rigged perpendicular to the edge;
- Belay set-up obstructs the operation of the system, (belayer too close to edge or in transition zone, etc.);
- Belay device is safe but inefficiently located in relation to the mainline (i.e. limits pendulum effect).

0- (any score zero)

- Belay device is inappropriate for anticipated load;
- Belay device is not properly reeved or is unsafe.

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Objective(s) NFPA 1006- 08: JPR: 5.5.11, 5.5.12, 5.5.13, 5.5.14 Primary Task: BELAY SYSTEM

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 4)

Belay Device System Operation Evaluation Criteria:

2- (all must apply)

- Candidate manages rope so it pays in and out smoothly;
- Candidate operates the belay for both raise and lower maintaining appropriate tension; (i.e. less than 24" slack)
- Candidate manages belay and verbalizes the ability to release when actuated and resets belay system;
- The software/hardware interface does not impede the performance of the device;
- Candidate is attentive at all times during operation;
- Belay line is not loaded during the operation of the primary rope rescue system.

1-

- Candidate requires assistance with rope management;
- Candidate operates belay for both raise and lower but is inefficient; (i.e. allows more than 24" up to 30" of slack to form or accidentally allows system to take part of load)
- Candidate operates the belay for both raise and lower but does not maintain tension in a manner that will limit fall.

0- (any score zero)

- Candidate is unable to operate belay device; (i.e. captures load multiple times)
- Candidate allows more than 30" of slack to form during operation;
- Candidate is unable to verbalize how to release device if actuated;
- Candidate is not attentive during operation nor monitors the position of the load.

Edge Protection Evaluation Criteria:

2- (all must apply)

- Candidate addresses edge concerns and applies protection to reduce abrasion.

0- (any score zero)

- Candidate does not address edge concerns or omits edge protection;
- Candidate does not secure edge protection from dislodging while in use.

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Objective(s) NFPA 1006- 08: JPR: 5.5.11, 5.5.12, 5.5.13, 5.5.14

Primary Task: BELAY SYSTEM

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 4)

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.11, 5.5.12, 5.5.13, 5.5.14

Primary Task: BELAY SYSTEM

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 4)

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1- • Candidate is unsure, not clear, or inconsistent with commands;
• Candidate does not project command so others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria:

2- • System set up is completed in less than 8 minutes;
1- • System set up is completed in 8 - 16 minutes;
0- • Candidate exceeds more than 16 minutes to complete the skill.

Safety is PARAMOUNT!!

Candidate must score **14**
out of a possible 16 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 **Primary Task:** Compound MA 2:1 to 4:1

Skill No. MA1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 5)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: length of 12.5mm rope, lengths of 1" tubular or flat webbing, short lengths of rope, carabiners, pulleys, prusiks, and mechanical rope grab or appropriate haul cam.
2. The candidate will work alone.
3. The evaluator shall designate an edge that requires protection.
4. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given equipment likely to be used in a technical rescue, shall construct and operate a resetable simple 2:1 mechanical advantage system while addressing edge concerns. During operation the candidate must convert the system to a compound 4:1 and resume hauling operations a minimum of 20 ft.”

2:1 Mechanical Advantage System Set-up Evaluation Criteria:

2- (all must apply)

- Ideal Mechanical Advantage (IMA) is a simple 2:1 as instructed;
- Candidate correctly identifies the IMA;
- MA utilizes a progress capture device that is safe, appropriate for the application, and effective;
- Hauling system is directly attached to the load by a single line and MA is in workable area, not extending over the edge toward the load.

1-

- IMA is correctly built as instructed but candidate incorrectly identifies the IMA;
- MA utilizes a PCD that is safe but is inefficient; (e.g. causes significant deflection of the haul line, or allow significant loss of progress)
- MA system is functional but inefficient. (e.g. unnecessary friction in the system, working room for the haul team is not maximized, etc)

0- (any score zero)

- Ideal Mechanical Advantage (IMA) is not a simple 2:1 as instructed;
- MA system is unworkable or unsafe;
- Progress capture device is omitted, ineffective or is otherwise unsafe (i.e. if prusiks used 3 wraps are required);
- Hauling system is directly attached to the load in a manner that has multiple lines over the edge or the entire MA extends over the edge toward the load.



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TECHNICAL ROPE RESCUER**



Objective(s) NFPA 1006- 08: JPR: 6.1.2. 6.1.4. 5.5.3. 5.5.14 Primary Task: Compound MA 2:1 to 4:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 5)

2:1 Mechanical Advantage Operation Evaluation Criteria:

2- (all must apply)

- Candidate operates system until reset is needed, is able to capture progress and reset the system;
- Candidate is able to demonstrate lowering/reverse haul through the MA.

1-

- Candidate operates system but is inefficient with setting PCD and resetting the system; (i.e. lines are not parallel and reduces optimal haul distance for given work area)
- Candidate demonstrates lowering through the MA, but is unsure, unclear, or otherwise hesitates for a prolonged period of time during operation.

0- (any score zero)

- Candidate is unable to operate system;
- Candidate is unable to set PCD or reset the system;
- Candidate is unable to demonstrate lowering/reverse haul through the MA.

Edge Protection Evaluation Criteria:

2- (all must apply)

- Candidate addresses edge concerns and applies protection in a manner that maximizes system efficiency; (i.e. rollers to reduce friction).

1-

- Candidate addresses edge concerns but does not apply protection in a manner that maximizes system efficiency; (i.e. uses flat edge pads and not friction reducing rollers).

0- (any score zero)

- Candidate does not address edge concerns or omits edge protection;
- Candidate does not secure edge protection from dislodging while in use.

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Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 Primary Task: Compound MA 2:1 to 4:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 5)

4:1 Mechanical Advantage Conversion Evaluation Criteria:

2- (all must apply)

- Candidate sets PCD to hold load while making the MA conversion- maintains all progress made by initial 2:1 system;
- Adjust 4:1 compound system for maximum efficiency before utilizing system;
- Ideal Mechanical Advantage (IMA) is a compound 4:1 system as instructed;
- Candidate correctly identifies the IMA;
- MA maintains a progress capture device that is safe, appropriate for the application, and effective;
- Hauling system remains directly attached to the load by a single line and MA is in workable area, not extending over the edge toward the load.

1-

- Candidate does not set PCD and loses significant progress (more than 1ft but less than 2ft) before capturing device engages;
- Candidate takes original 2:1 MA completely apart and rebuilds system during conversion;
- 4:1 MA has a "dead leg" or "rope drag" in system;
- MA is not adjusted for maximum efficiency before being utilized in operation; (i.e. maximum throw distance for working area)
- IMA is correctly built as instructed but candidate incorrectly identifies the IMA;
- MA system is functional but inefficient. (e.g. unnecessary friction in the system, working room for the haul team is not maximized, etc)

0- (any score zero)

- Candidate does not set PCD and loses significant progress (more than 2ft) before capturing device engages;
- Candidate can not convert the system to a compound 4:1 as instructed;
- Candidate removes the PCD during operation;
- MA system is unworkable or unsafe;
- Progress capture device is omitted, ineffective or is otherwise unsafe;
- Hauling system is directly attached to the load in a manner that has multiple lines over the edge or the entire MA extends over the edge toward the load.

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Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 Primary Task: Compound MA 2:1 to 4:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 5)

4:1 Mechanical Advantage Operation Evaluation Criteria:

2- (all must apply)

- Candidate operates system until reset is needed, is able to capture progress and reset the system;
- Candidate is able to demonstrate lowering/reverse haul through the MA.

1-

- Candidate operates system but is inefficient with setting PCD and resetting the system; (i.e. lines are not parallel and reduces optimal haul distance for given work area)
- Candidate demonstrates lowering through the MA, but is unsure, unclear, or otherwise hesitates for a prolonged period of time during operation.

0- (any score zero)

- Candidate is unable to operate system;
- Candidate is unable to set PCD or reset the system;
- Candidate is unable to demonstrate lowering/reverse haul through the MA.

Equipment Evaluation Criteria:

- 2- • Life support equipment is chosen and appropriately applied.

- 1- • Equipment is appropriate but applied inefficiently.

- 0- • Chosen equipment is not life support or is inappropriately applied.

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 Primary Task: Compound MA 2:1 to 4:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 5 of 5)

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria: (both 2:1 CONSTRUCTION AND 4:1 CONVERSION. Time below is combined total times)

2- • Under 10 minutes

1- • More than 10 minutes, but less than 15 minutes

0- • Over 15 minutes

Safety is PARAMOUNT!!

**Candidate must score 18
out of a possible 20 to pass
with no zeros in any category.**

Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 **Primary Task:** Compound MA 5:1 to 9:1

Skill No. MA2 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 5)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: length of 12.5mm rope, lengths of 1" tubular or flat webbing, short lengths of rope, carabiners, pulleys, prusiks, and mechanical rope grab or appropriate haul cam.
2. The candidate will work alone.
3. The evaluator shall designate an edge that requires protection.
4. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given equipment likely to be used in a technical rescue, shall construct and operate a resetable simple 5:1 mechanical advantage system while addressing edge concerns. During operation the candidate must convert the system to a compound 9:1 and resume hauling operations a minimum of 20 ft.”

5:1 Mechanical Advantage System Set-up Evaluation Criteria:

2- (all must apply)

- Ideal Mechanical Advantage (IMA) is a simple 5:1 as instructed;
- Candidate correctly identifies the IMA;
- MA utilizes a progress capture device that is safe, appropriate for the application, and effective;
- Hauling system is directly attached to the load by a single line and MA is in workable area, not extending over the edge toward the load.

1-

- IMA is correctly built as instructed but candidate incorrectly identifies the IMA;
- MA utilizes a PCD that is safe but is inefficient; (e.g. causes significant deflection of the haul line, or allow significant loss of progress)
- MA system is functional but inefficient.(e.g. unnecessary friction in the system, working room for the haul team is not maximized, etc)

0- (any score zero)

- Ideal Mechanical Advantage (IMA) is not a simple 5:1 as instructed;
- MA system is unworkable or unsafe;
- Progress capture device is omitted, ineffective or is otherwise unsafe; (i.e. if prusiks are used, 3 wraps are required)
- Hauling system is directly attached to the load in a manner that has multiple lines over the edge or the entire MA extends over the edge toward the load;

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.2. 6.1.4. 5.5.3. 5.5.14 Primary Task: Compound MA 5:1 to 9:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 5)

5:1 Mechanical Advantage Operation Evaluation Criteria:

2- (all must apply)

- Candidate operates system until reset is needed, is able to capture progress and reset the system;
- Candidate is able to demonstrate lowering/reverse haul through the MA.

1-

- Candidate operates system but is inefficient with setting PCD and resetting the system ;(i.e. lines are not parallel and reduces optimal haul distance for given work area)
- Candidate demonstrates lowering through the MA, but is unsure, unclear, or otherwise hesitates for a prolonged period of time during operation.

0- (any score zero)

- Candidate is unable to operate system;
- Candidate is unable to set PCD or reset the system;
- Candidate is unable to demonstrate lowering/reverse haul through the MA.

Edge Protection Evaluation Criteria:

2- (all must apply)

- Candidate addresses edge concerns and applies protection in a manner that maximizes system efficiency. (i.e. rollers to reduce friction)

1-

- Candidate addresses edge concerns but does not apply protection in a manner that maximizes system efficiency. (i.e. uses flat edge pads and not friction reducing rollers).

0- (any score zero)

- Candidate does not address edge concerns or omits edge protection;
- Candidate does not secure edge protection from dislodging while in use.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 **Primary Task:** Compound MA 5:1 to 9:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 5)

9:1 Mechanical Advantage Conversion Evaluation Criteria:

2- (all must apply)

- Candidate sets PCD to hold load while making the MA conversion- maintains all progress made by initial 5:1 system;
- Adjust 9:1 compound system for maximum efficiency before utilizing system;
- Ideal Mechanical Advantage (IMA) is a compound 9:1 system as instructed;
- Candidate correctly identifies the IMA;
- MA maintains a progress capture device that is safe, appropriate for the application, and effective;
- Hauling system remains directly attached to the load by a single line and MA is in workable area, not extending over the edge toward the load.

1-

- Candidate does not set PCD and loses significant progress (more than 1ft but less than 2ft) before capturing device engages;
- Candidate takes original 5:1 MA completely apart and rebuilds system during conversion;
- 9:1 MA has a "dead leg" or "rope drag" in system;
- MA is not adjusted for maximum efficiency before being utilized in operation; (i.e. maximum throw distance for working area)
- IMA is correctly built as instructed but candidate incorrectly identifies the IMA;
- MA system is functional but inefficient. (e.g. unnecessary friction in the system, working room for the haul team is not maximized, etc)

0- (any score zero)

- Candidate does not set PCD and loses significant progress (more than 2ft) before capturing device engages;
- Candidate can not convert the system to a compound 9:1 as instructed;
- Candidate removes the PCD during operation;
- MA system is unworkable or unsafe;
- Progress capture device is omitted, ineffective or is otherwise unsafe;
- Hauling system is directly attached to the load in a manner that has multiple lines over the edge or the entire MA extends over the edge toward the load.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 **Primary Task:** Compound MA 5:1 to 9:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 5)

9:1 Mechanical Advantage Operation Evaluation Criteria:

2- (all must apply)

- Candidate operates system until reset is needed, is able to capture progress and reset the system;
- Candidate is able to demonstrate lowering/reverse haul through the MA.

1-

- Candidate operates system but is inefficient with setting PCD and resetting the system; (i.e. lines are not parallel and reduces optimal haul distance for given work area)
- Candidate demonstrates lowering through the MA, but is unsure, unclear, or otherwise hesitates for a prolonged period of time during operation.

0- (any score zero)

- Candidate is unable to operate system;
- Candidate is unable to set PCD or reset the system;
- Candidate is unable to demonstrate lowering/reverse haul through the MA.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.2, 6.1.4, 5.5.3, 5.5.14 Primary Task: Compound MA 5:1 to 9:1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 5 of 5)

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system;

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria: (both 5:1 CONSTRUCTION AND 9:1 CONVERSION. Time below is combined total times)

2- • Under 10 minutes

1- • More than 10 minutes, but less than 15 minutes

0- • Over 15 minutes

Safety is PARAMOUNT!!

**Candidate must score 18
out of a possible 20 to pass
with no zeros in any category.**

Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.5, 6.2.6, 5.5.14 **Primary Task:** Highline

Skill No. HL1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 4)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: 8-10 pulleys, 17-20 carabiners, 4 ropes, 8 various lengths of webbing, 9 prusiks, rigging ring or anchor plate, 3 rope grabs, misc equipment
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. Evaluator shall designate a high directional, edge and a minimum span of 20 ft.
5. Time will begin when candidate begins construction.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a distance to span, high directional anchors, and equipment likely to be used in a technical rescue, shall complete the construction of a drooping highline spanning a distance of 20 ft and discuss construction and operational considerations of the system and/or components.”

Task Assignment Criteria:

2- (all must apply)

- Candidate is able to explain when a highline would be a good choice for potential rescue operations;
- Candidate is able to identify overall plan for construction to the evaluator;
- Candidate is able to verbalize personnel assignments and clearly communicate tasks to be completed;
- Candidate is able to verbalize options regarding line deployment;
- Candidate is able to verbalize task requirements needed to construct the mainline/trackline;
- Candidate is able to explain and verbalize the MA needed for tension a mainline/trackline while accounting for measures that will prevent overloading system components;
- Candidate is able to verbalize task requirements needed in order to construct the tagline/control line component of the system;
- Candidate is able to verbalize task requirements needed in order to construct the carriage system.

0- (any score zero)

- Candidate is not able to communicate assignments or task requirements to build a drooping highline system.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.5, 6.2.6, 5.5.14 **Primary Task:** Highline

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 4)

Mainline/ Trackline Construction Evaluation Criteria:

2- (all must apply)

- Trackline is attached to both sides of the span in a manner that ensures for maintaining maximum efficiency of rope strength;
- Tensioning system for the trackline is constructed in a manner that addresses force multiplication and potential for overloading the system;
- Candidate is able to tension and release tension on trackline with control;
- Highline adjustment provides for vertical movement;
- Addresses height at edges to negotiate obstacles and edge hazards;
- Trackline is constructed in a manner that minimizes potential damage to rope.

1-

- Attachment to the high directional is secure but attached in a manner that would lose height advantage for optimal edge transition;
- Trackline is constructed in a manner that is safe but inefficient for operations. (i.e. does not clear obstacles within the given span smoothly)

0- (any score zero)

- Trackline is not secured on both sides of the span;
- Tensioning system is missing or constructed in a manner that could potentially overload the system;
- Candidate is unable to tension and/ or release tension on trackline with control;
- Candidate does not take into consideration obstacles, edge hazards or other potential hazards.

Control line/ Tagline Construction Criteria:

2- (all must apply)

- Tagline is constructed in a manner that would arrest the load in the event of a mainline failure;
- Constructed in a manner to offset potential efficiency losses in rope; (i.e. knots, attachment to carriage, etc.)
- Able to control movement across mainline/ trackline for horizontal movement from both sides;
- Extreme forces are taken into consideration and accounted for.

1-

- Mechanical Advantage on tagline is established in a manner that reduces optimal haul distance for given work area;
- Only able to control movement across trackline for horizontal movement in one direction; (i.e. no consideration for reversing direction of travel)
- Tagline hangers are not considered.

0- (any score zero)

- Tagline is not constructed in a manner that would arrest the load in the event of a mainline failure;
- Not constructed in a manner to offset potential efficiency losses in rope; (i.e. knots, attachment to carriage, etc.)
- Unable to control movement across trackline for horizontal movement;
- Extreme forces are not taken into consideration nor accounted for.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.5. 6.2.6. 5.5.14

Primary Task: Highline

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 4)

Carriage Construction Criteria:

2- (all must apply)

- Assembles carriage system in such a manner to provide for horizontal movement;
- Provides for safe attachment to the load with 2 points (i.e. directly to the carriage plus a tether);
- Minimizes friction or drag on the trackline.

1-

- Only provides a single point of attachment to the load.

0- (any score zero)

- Does not assemble carriage system in such a manner to provide for horizontal movement;
- No safe attachment to the load is provided;
- Carriage does not freely move on the trackline or excessive friction and/or drag are created.

Operation Discussion Criteria:

2- (all must apply)

- Candidate identifies station designations and names for each group for clear communications;
- Candidate is able to verbalize commands for operation;
- Discuss the need for tagline hangers and their benefits;
- Candidate is able to verbalize task requirements needed to operate the mainline/trackline;
- Candidate is able to explain and verbalize methods to tension a mainline/trackline while accounting for measures that will prevent overloading system components;
- Candidate is able to verbalize task requirements needed in order to operate the tagline/control line component of the system;
- Candidate is able to verbalize task requirements needed in order to operate the carriage system.

0- (any score zero)

- Candidate is not able to communicate assignments or task requirements to operate a drooping highline system.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.5. 6.2.6. 5.5.14 **Primary Task:** Highline

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 4)

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor;

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system;

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;

Time Evaluation Criteria:

2- • Under 25 minutes

1- • More than 25 minutes, but less than 35 minutes

0- • Over 35 minutes

08/2009

Safety is PARAMOUNT!!

Candidate must score **17**
out of a possible 20 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.4.1, 5.4.2

Primary Task: INSPECT ROPE & EQUIPMENT

Skill No. IR1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with: (Rope plus at least one (1) in each category)
 PPE: Helmet, harness or other PPE likely to be used in Technical Rescue
 Hardware: Pulley, carabiner, rack, other hardware likely to be used in Technical Rescue
 Software: 12.5mm Static Kermantle Rope, and webbing, cordage or other software likely to be used in Technical Rescue
2. The candidate shall be provided with a sample of both passing and failing equipment
3. The candidate will work alone.
4. The candidate shall be given the instruction below before beginning the exercise.
5. The candidate should verbalize thoughts and finds during inspection process.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given rope and equipment likely to be used in technical rescue, shall verbalize inspection, and identify if equipment passes or fails inspection criteria established by the manufacturer and/or training protocols.”

Rope Inspection Criteria:

2- (all must apply)

- Uses bare hands to inspect every inch of rope;
- Checks sheath for glazing, abrasion, picks, other visual damage or chemical odors;
- Flexes rope to check for uniformity throughout core;
- Checks rope log (if available) for age and history or use;
- Identifies if rope passes or fails and states why.

0- (any scores zero)

- Uses gloves during inspection;
- Candidate is not attentive when inspecting rope;
- Does not identify why the rope passes or fails;
- Candidate “passes” a rope that would normally fail inspection criterion.

PPE Inspection Criteria:

2- (all must apply)

- Checks buckles and/or other connection points for secure connection and smooth operation;
- Checks webbing and stitching for chemical odors, wear, abrasion, discoloration, and other visual damage;
- Checks for identifying markers that detail manufacturer, age of equipment and testing standards this equipment should meet;
- Identifies if PPE passes or fails and states why.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.4.1, 5.4.2 **Primary Task:** INSPECT ROPE & EQUIPMENT

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

0- (any scores zero)

- Uses gloves during inspection;
- Candidate is not attentive when inspecting PPE;
- Does not identify why the PPE passes or fails;
- Candidate "passes" PPE that would normally fail inspection criterion.

Hardware Inspection Criteria:

2- (all must apply)

- Checks moving parts for ease of movement;
- Checks for uniformity in metal, notches, marks, gashes, scores, abrasion or any other visual damage;
- Checks for identifying markers that detail manufacturer, age of equipment and testing standards the equipment should meet;
- Identifies if hardware passes or fails and states why.

0- (any scores zero)

- Uses gloves during inspection;
- Candidate is not attentive when inspecting hardware;
- Does not identify why the hardware passes or fails;
- Candidate "passes" hardware that would normally fail inspection criterion.

Software Inspection Criteria:

2- (all must apply)

- Checks material for excessive wear, discoloration, glazing, abrasion, picks, other visual damage or chemical odor;
- Checks for identifying markers that detail manufacturer, age of equipment and testing standards the equipment should meet;
- Identifies if software passes or fails and states why.

0- (any scores zero)

- Uses gloves during inspection;
- Candidate is not attentive when inspecting software;
- Does not identify why the software passes or fails;
- Candidate "passes" software that would normally fail inspection criterion.

Overall Inspection Criteria: 0- (any scores zero)

- Candidate "fails" ALL equipment for reasons inconsistent with overall inspection criterion.

Safety is PARAMOUNT!!

**Candidate must score 8
out of a possible 8 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.10, 5.5.14 **Primary Task:** Knot Passing

Skill No. KP1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 3)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: lengths of 12.5mm rope, lengths of 1" tubular or flat webbing, short lengths of rope, carabiners, pulleys, prusiks, mini-haul, DCD, mechanical rope grab or appropriate haul cam, and a load.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a rigged system, a load and equipment likely to be used in a technical rescue, shall pass a knot through a [RANDOM SELECT] while loaded.”

Evaluator’s choices:

- a) Raising System (3:1 in a Z-rig configuration)
- b) Lower System (Fixed Brake with a rack device)

Knot Passing while Lowering Evaluation Criteria:	Knot Passing while Raising Evaluation Criteria:
2- (all must apply)	2- (all must apply)
<ul style="list-style-type: none"> • Attaches a secondary system/transfer device/ PCD/ extension component to capture progress, while taking into consideration the weight of the load; • Transfers load back onto DCD once the knot is passed; • Removes secondary system/transfer device/ PCD/ extension component from the mainline and resumes with lower. 	<ul style="list-style-type: none"> • Passes knot through haul cam; • Passes knot through PCD; • Minimizes loss of progress while raising system;
	<ul style="list-style-type: none"> • Minimizes need to jockey system back and forth or “see-sawing” the system; • Demonstrates passing a knot without losing more than 12” of progress and any one time.
1-	1-
<ul style="list-style-type: none"> • Candidate takes multiple attempts to pass knot around DCD; • Candidate has to haul up to transfer load. 	<ul style="list-style-type: none"> • Candidate takes multiple attempts to pass knot around system components; • Candidate has to lower to perform operation; • Loses more than 12” but less than 24” of progress while passing knot.
0- (any score zero)	0- (any score zero)
<ul style="list-style-type: none"> • Candidate is unable to pass a knot. 	<ul style="list-style-type: none"> • Candidate is unable to pass a knot.



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4. 5.5.10. 5.5.14 Primary Task: Knot Passing

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 3)

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.10, 5.5.14 **Primary Task:** Knot Passing

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 3)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria:

- 2-** • Under 8 minutes
- 1-** • More than 8 minutes, but less than 12 minutes
- 0-** • Over 12 minutes

Safety is PARAMOUNT!!

Candidate must score 10
out of a possible 12 to pass
with no zeros in any category.

Candidate will be limited to one additional attempt.

Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.3, 5.5.7, 5.5.14 **Primary Task:** Litter Tending

Skill No. LT1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 3)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: litter, spiders, bridles, lengths of 12.5mm rope, lengths of 1" tubular or flat webbing, short lengths of rope, carabiners, pulleys, prusiks, and mechanical rope grab or appropriate haul cam.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a rigid litter and equipment likely to be used in a technical rescue, shall rig a litter for a [RANDOM SELECTION] and maneuver as a litter tender suspended in a high angle setting.”

Evaluators choose one of following options:

- a) Vertical orientation
- b) Horizontal orientation

Litter Set-up Evaluation Criteria:

2- (all must apply)

- Bridle/spider interface with litter is supported by a minimum of 4 different structural points on the litter;
- Bridle/spider interface with the litter is constructed with rope or webbing strong enough to sustain the load;
- Bridle/spider interface with the litter is constructed in a manner that is safe, compact, and efficient; (i.e. low, compact rigging that will maximize raising capabilities for edge transition)
- Mainline and Belay are secured to the bridle/spider attachment point independently of each other, allowing for security should mainline become damaged or unusable;
- When suspended by mainline, the litter hangs in a vertical/ horizontal orientation as designated by the evaluator;
- If suspended by the belay line, the litter hangs in designated orientation with little to no tilt variance than from the mainline (litter does not see-saw if weight is transferred to the belay line).

1-

- Bridle/spider interface with litter is supported by only 3 different structural points on the litter;
- Bridle/spider interface with litter is constructed in a manner that is functional but inefficient (i.e. bridle/ spider is long, sloppy, or does not facilitate assistance during edge transition);
- Mainline and Belay are secured to the bridle/ spider attachment independently of each other, but are interlaced in a manner that would result in excessive twisting or binding of mainline or rescuer components that restrict movement of the rescuer or the litter at the edge;
- When suspended by the mainline, the litter hangs 15-30 degrees off the orientation as designated by the evaluator;
- If suspended by the belay line, the litter hangs in the designated orientation but with a mild tilt variance from the mainline (litter see-saws slightly if weight is transferred to the belay line).



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.3, 5.5.7, 5.5.14 Primary Task: Litter Tending

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 3)

0- (any score zero)

- Bridle/spider interface with litter is supported by less than 3 different structural points on the litter;
- Bridle/spider interface with the litter is constructed with rope or webbing that is not suitable for rescue or is not likely to be strong enough to sustain the load;
- Mainline and Belay are not secured independently to the bridle/ spider attachment, not allowing for security should mainline become damaged or unusable;
- When suspended by mainline, the litter hangs more than a 30 degrees off the designated orientation;
- If suspended by the belay line, the litter hangs in designated orientation with significant variance from the mainline (litter see-saws back and forth if weight is transferred to the belay line).

Litter Tending Set-up Evaluation Criteria:

2- (all must apply)

- A system is provided for the litter tender that will provide security should mainline failure occur, and is not restrictive or creates a snag hazard.

1-

- A system is provided for the litter tender that will provide security should mainline failure occur, but the tender line restricts the tender from reaching all points on the litter;
- A system is ineffective and creates excessive slack that could create a snag hazard;

0- (any score zero)

- A system is not provided for the litter tender that will assure the rescuer's security;
- The litter tender is attached directly to the basket without means of being able to maneuver to reach all points on the litter;

Litter Tending Operation Evaluation Criteria:

2- (all must apply)

- Tender evaluates surroundings for potential hazards;
- Tender is able to manipulate litter as directed while suspended from a rope system;
- Tender is able to maneuver around the litter without assistance (i.e. above, below and side-to-side);
- Tender is able to negotiate terrain and common hazards.

0- (any score zero)

- Tender does not evaluate surroundings for potential hazards;
- Tender is not able to manage litter while suspended from a rope system;
- Tender is not able to maneuver around the litter without assistance (i.e. above, below and side-to-side);
- Tender is not able to negotiate terrain and common hazards.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.3, 5.5.7, 5.5.14 **Primary Task:** Litter Tending

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 3)

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system;

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project command so others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation

Time Evaluation Criteria:

2- • Under 8 minutes

1- • More than 8 minutes, but less than 16 minutes

0- • Over 16 minutes

08/2009

Safety is PARAMOUNT!!

**Candidate must score 12
out of a possible 14 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.8, 5.5.9, 5.5.10, 5.5.14 Primary Task: LOWERING SYSTEM

Skill No. LS1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 4)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of: anchor, 12.5mm rope, multiple carabiners, various lengths 1" webbing, 8mm cordage, and prusiks, selection of lowering device(s).
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. Evaluator shall designate edge in relation to the anchor.
5. Evaluator shall provide a load and minimum travel distance of 10 ft.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given rope and equipment likely to be used in a technical rescue, shall construct and operate a fixed brake lowering system suitable for an anticipated load of [RANDOM SELECTION] a minimum of 10 ft while addressing edge concerns.”

Evaluators choose one of following options:

- a) 300 lbf or less
- b) 300 lbf or more

Lowering System Set-up Evaluation Criteria:

2- (all must apply)

- Lowering device is capable of supporting anticipated load;
- Lowering device is reeved and tied-off in accordance to specifications set forth by equipment manufacturer;
- Lowering system is appropriately located in relation to the edge.

1-

- Lowering system is safe but inefficiently placed in relation to the edge; (brakeman too close to edge or in transition zone, brakeman is off-set from edge without a deviation, etc.)

0- (any score zero)

- Lowering device is incorrectly chosen for anticipated load;
- Lowering device is incorrectly rigged or unsafe for operation;
- Lowering system is not a fixed brake lower;
- Lowering System is unsafe.

Prevent or prohibit any unsafe acts.

Contact the Monitor at any time with any questions you may have.

Remember, you are an evaluator, not a trainer...



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.8, 5.5.9, 5.5.10, 5.5.14 Primary Task: LOWERING SYSTEM

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 4)

Lowering System Operation Evaluation Criteria:

2- (all must apply)

- Candidate supports load during edge transition;
- Candidate demonstrates ability to start, stop, hard tie-off, show "hands off" and then resume lower operation under load with control;
- Candidate manages rope and operates lower smoothly without feeding device.

1-

- Candidate is not able to control load smoothly when lowering but must feed decent device;
- Candidate requires assistance with rope management.

0- (any score zero)

- Candidate is unable to stop or tie-off load;
- Candidate operates system in a manner that does not support load, demonstrate control, or is unsafe.

Edge Protection Evaluation Criteria:

2- (all must apply)

- Candidate addresses edge concerns and applies protection in a manner that maximizes system efficiency; (i.e. rollers to reduce friction)

1-

- Candidate addresses edge concerns but does not apply protection in a manner that maximizes system efficiency; (i.e. uses flat edge pads and not friction reducing rollers)

0- (any score zero)

- Candidate does not address edge concerns or omits edge protection;
- Candidate does not secure edge protection from dislodging while in use.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.8, 5.5.9, 5.5.10, 5.5.14 Primary Task: LOWERING SYSTEM

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 4)

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

**Prevent or prohibit any unsafe acts.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.8, 5.5.9, 5.5.10, 5.5.14 Primary Task: LOWERING SYSTEM

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 4)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria:

- 2- • System set up is completed in less than 5 minutes.
- 1- • System set up is completed in 5-10 minutes.
- 0- • Candidate exceeds more than 10 minutes to complete the skill.

Safety is PARAMOUNT!!

Candidate must score **14**
out of a possible 16 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.1

Primary Task: Multi-point Anchor Systems

Skill No. MPA1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 3)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of: anchors, length of 12.5mm rope, edge protection, carabiner(s), 1" flat or tubular webbing.
2. The candidate will work alone.
3. The evaluator designates a direction of pull in relation to the anchors.
4. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given equipment likely to be used in a technical rescue and a direction of pull, shall construct a [RANDOM SELECTION] multi-point anchor system suitable to sustain a rescue sized load.”

Evaluators choose one of following options:

- a) 2 point load distributing
- b) 3 point load distributing
- c) 2 point load sharing
- d) 3 point load sharing

Attachment to Anchor Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is not appropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.1.1 **Primary Task:** Multi-point Anchor Systems

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 OF 3)

Multi-point Gathering Evaluation Criteria:

2- (all must apply)

- Candidate builds LDA or LSA as instructed;
- Pulls multi-point anchor in designated direction and all legs are tensioned with no bellies of slack.

1-

- Pulls multi-point anchor in designated direction and a leg of the system forms a marginal amount of slack. (applies to 3 point LSA only)

0- (any score zero)

- Candidate does not construct system that he/she is instructed to build;
- Pulls multi-point anchor in designated direction and two or more legs do not have any tension applied.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates a system safety check before testing or operating system;

0- (any score zero)

- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



**GEORGIA FIREFIGHTER STANDARDS AND TRAINING
TECHNICAL ROPE RESCUER**



Objective(s) NFPA 1006- 08: JPR: 6.1.1 Primary Task: Multi-point Anchor System

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 3)

Time Evaluation Criteria:

- 2- • Under 5 minutes.
- 1- • More than 5 minutes, but less than 10 minutes.
- 0- • Over 10 minutes.

Safety is PARAMOUNT!!

Candidate must score **10**
out of a possible 12 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.3.2, 5.3.1, 5.5.14 **Primary Task:** Patient Packaging- Rigid Litter

Skill No. PP1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum: patient, rigid litter, 1" tubular or flat webbing, blankets, padding, safety glasses, c-collar and helmet for patient.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. Time will start when the candidate begins packaging the patient.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a rigid litter and equipment likely to be used in a technical rescue, shall package an unconscious person with no visible signs of trauma for movement in a high angle setting.”

Patient Stabilization Evaluation Criteria:

2- (all must apply)

- Candidate identifies injuries and addresses care of injuries when packaging patient;
- Packaging provides for the subject’s comfort; (i.e. padding voids, etc)
- Patient placement in litter is centered and balanced;
- Packaging conforms to patient without restricting airway, circulation, or creating potential for further injury;
- Tie-in is compartmentalized such that access to the upper or lower body is possible without untying the entire package;
- Packaging establishes foot stabilization that is secure and fixed;
- Patient should be physically secure so that he/she does not fall out regardless of litter orientation;
- Tie- in method prevents less than 4” of patient movement when stood up vertically in litter.

1-

- Packaging provides for the subject’s stabilization, but not for comfort;
- Patient Placement in basket is flush with the head or foot of the litter;
- Tie-in provides stabilization but is not compartmentalized such that access to the upper or lower body is possible without untying the entire package;
- Packaging established foot stabilization that cinches or pinches feet in awkward or unnatural position;
- Patient is physically secure, but method of tie-in is loose, or slack is created allowing the subject to shift, slide or excessive movement to result when litter is transported;
- Tie-in method allows more than 4” but less than 6” of patient movement when stood up vertically in litter.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.3.2. 5.3.1. 5.5.14 **Primary Task:** Patient Packaging- Rigid litter

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

Patient Stabilization Evaluation Criteria: (-continued-)

0- (any score zero)

- Candidate does not identify injuries nor addresses care of injuries when packaging patient;
- Packaging creates a restriction in airway, circulation, or creates a potential for further injury;
- Packaging does not establish foot stabilization of any sort;
- Patient is not physically secure in the basket litter;
- Tie-in method uses buckles that are improperly fastened, or not strong enough for application;
- Lashing does not remain taut; knots become untied or are not properly secured, or otherwise represent a threat to life or equipment;
- Tie- in method allows more than 6" of patient movement when stood up vertically in litter.

Patient Protection Evaluation Criteria:

2- (all must apply)

- Patient is protected from environmental hazards;
- Head and eye protection are addressed, in place, and secure;
- Airway is protected and potential for hazards are addressed;
- Lashing is primarily connected to the runner(s) and sub frame for tie-in.

1-

- Lashing is primarily connected to the litter in a manner that exposes the lashing to abrasion.

0- (any score zero)

- Head and eye protection are not addressed, nor is the patient protected from environmental hazards;
- Packaging around head creates a chin-down tilt that obstructs airway or hinders breathing.

Time Evaluation Criteria:

2- • Under 10 minutes.

1- • More than 10 minutes, but less than 20 minutes.

0- • Over 20 minutes.

Safety is PARAMOUNT!!

**Candidate must score 5
out of a possible 6 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.**

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.2, 5.5.14

Primary Task: PRETENSION BACK TIE

Skill No. PTB1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided a minimum of: anchors, length of 12.5mm rope, three lengths of 1" flat or tubular webbing, three carabiners and prusik.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. Primary anchor to be stabilized should be pre-rigged.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given rope and auxiliary equipment, shall construct a pretensioned back tie in a manner that would stabilize an anchor to sustain a rescue sized load.”

Webbing Attachment Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Attachment to anchor is dressed and twists are minimized;
- Webbing is interlaced with primary anchor sling.

1-

- Anchors are adequate for life support but knot is not appropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

Rope Configuration Evaluation Criteria:

2- (all must apply)

- Rope forms a minimum of a 3:1;
- Rope starts high at primary anchor and attaches low to backup/ stabilizing anchor;
- Back tie is secured and holds tension;
- Back tie is inline with direction of pull and not more than 20 degrees offset.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.2, 5.5.14

Primary Task: PRETENSION BACK TIE

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

Rope Configuration Evaluation Criteria: (-continued-)

- 1-
- Rope creates less than a 3:1;
 - Back tie is offset more than 20 degrees without a second back tie, or the candidate does not identify additional back ties would be needed to have desired resultant force in direction of load.

0- (any score zero)

- Back tie is not secured or will not remain secure when loaded;
- Back tie is secured in a manner that would allow slippage before holding when loaded;
- Back tie is constructed using inappropriate materials.

Knot Evaluation Criteria:

- 2-
- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

- 1-
- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

- 0-
- Knots are incorrectly tied;
 - Safety (when required) is absent.

Safety Evaluation Criteria:

- 2-
- Candidate demonstrates a system safety check before testing or operating system;

0- (any score zero)

- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time:

- 0-
- Candidate exceeds more than 12 minutes to complete the skill.

Safety is PARAMOUNT!!

**Candidate must score 7
out of a possible 8 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.**

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.12, 5.5.14

Primary Task: RELEASING A CAPTURED LOAD

Skill No. RCL1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 3)

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of:
 - a belay system utilizing a tandem triple wrap prusik belay with a Radium Release Hitch that has self actuated (engaged) and fully supporting a minimum of 150 lbf load suspended.
 - an unloaded mainline anchored as a fixed brake lower, in a manner to support a minimum of 150 lbf load.
2. The candidate will lead operation but may task evaluator (or assistant) a minor or unskilled task.
3. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a belay system with a captured load, shall demonstrate each of the following two (2) methods of releasing the load with control:

- a) vector**
- b) utilizing a radium release hitch.”**

Vector Operation Evaluation Criteria:

2- (all must apply)

- Candidate confirms mainline is secure and attached to load;
- Candidate adjusts system to eliminate slack and tensions mainline, before tying-off/ locking-off DCD;
- Candidate directs other(s) to vector main line or release actuated prusiks;
- Candidate directs other(s) to slowly release vector; (if applicable)
- Candidate is able to convey needs or expectations of other rescuer(s); (i.e.” you vector this while...”)
- Candidate demonstrates ability to maintain control of load at all times.

1-

- Candidate makes more than 2 attempts to vector or release prusiks before completing transfer;
- Candidate is unsure or unclear on procedure during operation, but accomplishes task.

0- (any score zero)

- Candidate can not transfer load off belay line by utilizing vector technique.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.12, 5.5.14 **Primary Task:** RELEASING A CAPTURED LOAD
PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 3)

RRH Operation Evaluation Criteria:

2- (all must apply)

- Candidate adjusts system to eliminate slack and tensions mainline, before tying-off/ locking-off DCD;
- Candidate is able to untie the RRH while under tension;
- Candidate is able to operate RRH to lower load with control;
- Candidate transfers load from the belay to mainline;
- Candidate ties off RRH after use and loosens prusiks;
- Candidate is able to convey needs or expectations of other rescuer(s) as needed;
- Candidate continues operation using appropriate belay techniques.

1-

- Candidate is able to untie the RRH while under tension, but allows more than 3" slippage in the belay before maintaining control;
- Candidate has difficulty operating RRH but is able to hold suspended load;
- Candidate extends the RRH more than 3ft before transferring the load;
- Candidate unclips the "free" end of the RRH from the anchor but maintains control.

0- (any score zero)

- Candidate is unable to untie RRH while under load;
- Candidate is unable to lower load with control;
- Candidate fully extends RRH during use;
- Candidate does not tie off RRH after use;
- Candidate cannot loosen prusiks or resume belay operations;
- Candidate cannot transfer load off belay line;
- Candidate unclips the "free" end of the RRH from the anchor but does not maintain control.

**Prevent or prohibit any unsafe acts.
 Contact the Monitor at any time with any questions you may have.
 Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.12, 5.5.14 **Primary Task:** RELEASING A CAPTURED LOAD

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 3)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a component safety check before testing or operating system.

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a component safety check before beginning operation.

Time Evaluation Criteria:

- 0-** • Over 8 minutes.

Safety is PARAMOUNT!!

**Candidate must score 5
out of a possible 6 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.**

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.5, 5.5.6, 5.5.3, 5.5.14 **Primary Task:** Simple Mechanical Advantage

Skill No. MA3 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 4)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: length of 12.5mm rope, lengths of 1" tubular or flat webbing, short lengths of rope, carabiners, pulleys, prusiks, and mechanical rope grab or appropriate haul cam.
2. The candidate will work alone.
3. The evaluator shall designate an edge that requires protection.
4. The candidate shall be given the instruction below before beginning the exercise.
5. Evaluator shall provide a minimum load of 150 lbf and minimum distance of 10 ft.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given equipment likely to be used in a technical rescue, shall construct and operate a resetable [RANDOM SELECTION] mechanical advantage system for lifting an anticipated load of 300 lbf or more a minimum haul distance of 10ft while addressing edge concerns.”

Evaluators choose one of the following options:

- a) simple 2:1 (2:1 acting on a mainline)
- b) simple 3:1 (Z-rig)

Mechanical Advantage System Set-up Evaluation Criteria:

2- (all must apply)

- Ideal Mechanical Advantage (IMA) is a simple 2:1 or 3:1 as instructed;
- Candidate correctly identifies the IMA;
- MA utilizes a progress capture device that is safe, appropriate for the application, and effective;
- Hauling system is directly attached to the load by a single line and MA is in a workable area, not extending over the edge toward the load.

1-

- IMA is correctly built as instructed but candidate incorrectly identifies the IMA;
- MA utilizes a PCD that is safe but is inefficient; (e.g. causes significant deflection of the haul line, or allow significant loss of progress)
- MA system is functional but inefficient. (e.g. unnecessary friction in the system, working room for the haul team is not maximized, etc)

0- (any score zero)

- Ideal Mechanical Advantage (IMA) is not a simple 2:1 or 3:1 as instructed;
- MA system is unworkable or unsafe;
- Progress capture device is omitted, ineffective or is otherwise unsafe; (i.e. if prusiks used 3 wraps are required)
- Hauling system is directly attached to the load in a manner that has multiple lines over the edge or the entire MA extends over the edge toward the load.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.5, 5.5.6, 5.5.3, 5.5.14 **Primary Task:** Simple Mechanical Advantage

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 4)

Mechanical Advantage Operation Evaluation Criteria:

2- (all must apply)

- Candidate operates system until reset is needed, is able to capture progress and reset the system;
- Candidate is able to demonstrate lowering/reverse haul through the MA.

1-

- Candidate operates system but is inefficient with setting the PCD and resetting the system; (i.e. lines are not parallel and reduces optimal haul distance for given work area)
- Candidate demonstrates lowering through the MA, but is unsure, unclear, or otherwise hesitates for a prolonged period of time during operation.

0- (any score zero)

- Candidate is unable to operate system;
- Candidate is unable to set the PCD or reset the system;
- Candidate is unable to demonstrate lowering/reverse haul through the MA.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked;
- Direction of pull is not toward designated edge- in a manner that would compromise safety when loaded.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.5, 5.5.6, 5.5.3, 5.5.14 **Primary Task:** Simple Mechanical Advantage

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 4)

Edge Protection Evaluation Criteria:

2- (all must apply)

- Candidate addresses edge concerns and applies protection in a manner that maximizes system efficiency; (i.e. rollers to reduce friction)

1-

- Candidate addresses edge concerns but does not apply protection in a manner that maximizes system efficiency; (i.e. uses flat edge pads and not friction reducing rollers)

0- (any score zero)

- Candidate does not address edge concerns or omits edge protection;
- Candidate does not secure edge protection from dislodging while in use.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



**GEORGIA FIREFIGHTER STANDARDS AND TRAINING
TECHNICAL ROPE RESCUER**



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.5, 5.5.6, 5.5.3, 5.5.14 Primary Task: Simple Mechanical Advantage

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 4)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria:

2- • Under 8 minutes.

1- • More than 8 minutes, but less than 12 minutes.

0- • Over 12 minutes.

Safety is PARAMOUNT!!

Candidate must score **14**
out of a possible 16 to pass
with no zeros in any category.

Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.2, 6.1.3, 5.5.14 **Primary Task:** SINGLE POINT ANCHOR, DIRECT ATTACH

Skill No. SPA1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with: choice of anchors, length of 12.5mm rope, edge protection, carabiner(s).
2. The candidate will work alone.
3. The evaluator designates edge in relation to the anchor.
4. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given rope, auxiliary equipment, edge, and choice of anchors, shall construct a fixed rope system using a direct method of attachment such as [RANDOM SELECTION] in a manner able to sustain a rescue sized load while addressing edge concerns.”

- Evaluators choose one of following options:
- a) High Strength Tie Off (tensionless hitch)
 - b) Bowline
 - c) Figure Eight Follow Through

Rope Attachment Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) configurations are appropriately located;
- Knot(s) termination will not slip under load;
- (for HSTO only:) Rope is tensioned and not deflected from anchor (tangent) in such a way that little to no weight is applied to the knot;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located.

0-

- Anchoring techniques are inadequate for life support;
- Direction of pull is not toward designated edge or deviated in a manner that would compromise safety when loaded;
- Anchor attachment is not padded if necessary. (i.e. beams and sharp girders)

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.2, 6.1.3, 5.5.14 **Primary Task:** SINGLE POINT ANCHOR, DIRECT ATTACH
PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

Edge Protection Evaluation Criteria:

2- (all must apply)

- Candidate addresses edge concerns and applies protection to reduce abrasion.

0- (any score zero)

- Candidate does not address edge concerns or omits edge protection;
- Candidate does not secure edge protection from dislodging while in use.

Knot Evaluation Criteria:

2-

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates a system safety check before testing or operating system.

0- (any score zero)

- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time:

0-

- Candidate exceeds more than 4 minutes to complete the skill.

Safety is PARAMOUNT!!

**Candidate must score 7
out of a possible 8 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.**

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.2, 5.5.14

Primary Task: SINGLE PT ANCHOR, INDIRECT ATTACH

Skill No. SPA2

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with: anchors, length of 12.5mm rope, edge protection, carabiner(s), 1" flat or tubular webbing.
2. The candidate will work alone.
3. The evaluator designates edge in relation to the anchor.
4. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given rope, auxiliary equipment, edge, and choice of anchors, shall construct a single point anchor using an indirect method of attachment such as [RANDOM SELECTION] in a manner able to sustain a rescue sized load.”

Evaluators choose one of following options:

- a) Wrap 2/ Pull 2 (multi-loop)
- b) Wrap 3/ Pull 2 (modified multi-loop)
- c) Basket Hitch (three bight)

Webbing Attachment Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge;
- Attachment to anchor is dressed and twists are minimized.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked;
- Direction of pull is not toward designated edge or deviated in a manner that would compromise safety when loaded.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



**GEORGIA FIREFIGHTER STANDARDS AND TRAINING
TECHNICAL ROPE RESCUER**



Objective(s) NFPA 1006- 08: JPR: 5.5.2, 5.5.14 **Primary Task:** SINGLE PT ANCHOR, INDIRECT ATTACH

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

Knot Evaluation Criteria:

2-

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates a system safety check before testing or operating system.

0- (any score zero)

- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time:

0-

- Candidate exceeds more than 4 minutes to complete the skill.

Safety is PARAMOUNT!!

Candidate must score **5**
out of a possible 6 to pass
with no zeros in any category.

Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.10, 5.5.14 **Primary Task:** System Changeover while Loaded

Skill No. SC1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 3)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: lengths of 12.5mm rope, lengths of 1" tubular or flat webbing, short lengths of rope, carabiners, pulleys, prusiks, mini-haul, DCD, mechanical rope grab or appropriate haul cam, and minimum load of 150 lbf.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a raising or lowering system, suspended load and equipment likely to be used in a technical rescue, shall demonstrate changing over the system from [RANDOM SELECT] while loaded.”

Evaluator’s choices:

- a) Raising System to a Lower System**
- b) Lower System to a Raising System**

Raise to Lower Change Over Evaluation Criteria:	Lower to Raise Change Over Evaluation Criteria:
2- (all must apply)	2- (all must apply)
<ul style="list-style-type: none"> • Holds progress while transferring load; • Minimizes loss of progress to 12" or less; • Transfers the load to DCD without compromising the intended use of various system components; • Candidate locks off DCD; • Candidate removes mechanical advantage; • Candidate uses appropriate DCD for anticipated weight of the load; • Continues with the operation; • All of the load is supported by the mainline and is not transferred to the belay line during operation. 	<ul style="list-style-type: none"> • Holds progress while transferring load; • Minimizes loss of progress to 12" or less; • Transfers the load to MA without compromising the intended use of various system components; • Candidate unlocks off DCD; • Candidate removes DCD; • Candidate uses appropriate PCD for anticipated weight of the load; • Continues with the operation; • All of the load is supported by the mainline and is not transferred to the belay line during operation.
1-	
<ul style="list-style-type: none"> • Progress is not minimized to 12" or less but is not more than 24"; • Candidate takes multiple attempts to achieve changeover; • Candidate is safe but not efficient. 	
0- (any score zero)	
<ul style="list-style-type: none"> • Can not hold progress while transferring load; • Candidate does not use appropriate PCD for anticipated weight of the load; • Can not continue with the operation; • Load is transferred to the belay line during operation. 	



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.10, 5.5.14 Primary Task: System Changeover while Loaded

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 3)

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1-

- Anchors are adequate for life support but knot is inappropriately located;
- Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1-

- Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0-

- Knots are incorrectly tied;
- Safety (when required) is absent.

Equipment Evaluation Criteria:

2- • Life support equipment is chosen and appropriately applied.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.10, 5.5.14 **Primary Task:** System Changeover while Loaded

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 3)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria:

- 2-** • Under 8 minutes.
- 1-** • More than 8 minutes, but less than 12 minutes.
- 0-** • Over 12 minutes.

Safety is PARAMOUNT!!

Candidate must score 10
out of a possible 12 to pass
with no zeros in any category.

Candidate will be limited to one additional attempt.

Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.1

Primary Task: TIE KNOTS

Skill No. TK1

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 2)

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with: a length of 12.5mm static kernmantle rope, 15-20 ft length of 1" flat or tubular webbing, 8mm cordage (prusik length), carabiner, and object to tie around.
2. The candidate will work alone.
3. Time used by the evaluator to inspect the knot shall not penalize the candidate.
4. The candidate shall be given the instruction below before beginning the exercise.

INSTRUCTIONS TO THE CANDIDATE

**“The candidate, given rope and auxiliary equipment,
shall tie the following ties.”**

- Overhand Knot
- Figure Eight
- Figure Eight on a Bight
- Figure Eight Follow Through
- Double Figure Eight Knot
- Inline Figure Eight
- Bowline with safety (Yosemite acceptable)
- Butterfly Knot
- Figure Eight Bend
- Double Overhand Bend (Double Fisherman's Knot, Barrel) in 8mm cord
- Prusik Hitch (3 wrap) in 8 mm cord on rescue rope
- Münter Hitch
- Girth Hitch
- Handcuff Hitch
- Clove Hitch (with overhand safety) in webbing
- Ring Bend (Water Knot) in webbing
- Hasty Harness (Encompasses Legs and Waist at a Minimum)

Acceptable safety knots include: double overhand unless otherwise noted

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.1

Primary Task: TIE KNOTS

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 2)

Knot Evaluation Criteria:

2- (all must apply)

- Knot is tied correctly and dressed, with 2" - 4" of tail and bights are smaller than 4" diameter;
- Safety, if required, is secure, dressed and correctly oriented.

1-

- Knot is inappropriately dressed; bights are larger than 4", or tails are longer than 4".
- Required safety would allow slippage before engaging or is inappropriately oriented.

0- (any scores zero)

- Knot or safety is tied incorrectly; tails are less than 2";
- Required Safety is insecure or absent.

Time Evaluation Criteria:

2-

- All knots are tied correctly in less than 12 minutes.

1-

- All knots are tied correctly in 12-25 minutes.

0-

- Exceeds 25 minutes to tie all knots correctly.

Safety is PARAMOUNT!!

**Candidate must score 32
out of a possible 36 to pass
with no zeros in any category.**

Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.6, 5.5.8, 5.5.10, 5.5.14 **Primary Task:** Tripod + Mechanical Advantage

Skill No. TMA1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 4)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: commercial tripod, length of 12.5mm rope, lengths of 1" tubular or flat webbing, short lengths of rope, carabiners, pulleys, prusiks, and/or rope grab.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. The evaluator shall establish the designated height and point of departure for the operation.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a commercial tripod and equipment likely to be used in a technical rescue, shall construct and operate a 4:1 mechanical advantage with a change of direction* using a high directional, suitable to raise and/or lower an anticipated load of 300# or more.”

* Block and Tackle system with progress capture

Tripod System Set-up Evaluation Criteria:

2- (all must apply)

- Candidate is able to erect tripod properly such that it functions within the design parameters, as established by the manufacturer;
- Legs of tripod are evenly spaced as best as possible given terrain, and secured in accordance to manufacturer's recommendations (i.e. chain, rope, other) to limit movement while loaded;
- Tripod is backtied if resultant force is anticipated to be outside of the 'footprint' of the tripod to prevent tipping.

0- (any score zero)

- Candidate is unable to erect tripod or is unable to do so without potential harm to himself or others;
- Legs of tripod not secured in accordance to manufacturer's recommendations (i.e. chain, rope, other) to limit movement while loaded;
- Tripod is not backtied if resultant force is anticipated to be outside of the 'footprint' of the tripod to prevent tipping;
- Tripod is unsteady, or otherwise unable to support anticipated load without tilting or falling over.

Prevent or prohibit any unsafe acts.

Contact the Monitor at any time with any questions you may have.

Remember, you are an evaluator, not a trainer...



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR:5.5.4, 5.5.6, 5.5.8, 5.5.10, 5.5.14 Primary Task: Tripod + Mechanical Advantage

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 OF 4)

Mechanical Advantage System Set-up Evaluation Criteria:

2- (all must apply)

- Ideal Mechanical Advantage (IMA) is a 4:1 with a change in direction (block and tackle) as instructed;
- Candidate correctly identifies the IMA;
- MA utilizes a progress capture device that is safe, appropriate for the application, and effective;
- Hauling system is directly attached to the tripod and load;
- Progress Capture is accessible for operation;
- Directional is established so that direction of pull does not hinder the operation, if needed;
- MA system is attached to the tripod in a secure manner within the design parameters as established by the manufacturer.

1-

- IMA is correctly built as instructed but candidate incorrectly identifies the IMA;
- MA utilizes a PCD that is safe but is inefficient; (e.g. causes binding, loses height due to long extension, or allows a loss of progress before the system sets)
- MA system is functional but inefficient. (e.g. unnecessary friction in the system, working room for the haul team is not maximized, etc)

0- (any score zero)

- Ideal Mechanical Advantage (IMA) is not a simple 4:1 with a change in direction (block and tackle) as instructed;
- MA system is unworkable or unsafe;
- Progress capture device is omitted, ineffective or is otherwise unsafe;
- Hauling system is attached to the tripod or load in a manner that is unsafe to rescuer, team or patient;
- Hauling system is omitted, ineffective or otherwise unsafe.

Mechanical Advantage Operation Evaluation Criteria:

2- (all must apply)

- Candidate operates system efficiently and is able to capture progress;
- Candidate is able to demonstrate lowering through the MA;
- Candidate is able to operate MA within the footprint of the tripod.

1-

- Candidate operates system but is inefficient with operating or setting the PCD; (i.e. allows PCD to travel out of reach, or must lower system before being able to manage the PCD)
- Candidate demonstrates lowering through the MA, but is unsure, unclear, or otherwise hesitates for a prolonged period of time during operation.

0- (any score zero)

- Candidate is unable to operate system;
- Candidate is unable to set PCD;
- Candidate is unable to demonstrate lowering through the MA;
- Candidate is unable to operate MA within the footprint of the tripod (unless properly backtied) creating a tipping hazard or potential for harm to himself or others.



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.6, 5.5.8, 5.5.10, 5.5.14 Primary Task: Tripod + Mechanical Advantage

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 4)

Equipment Evaluation Criteria:

2- (all must apply)

- Life support equipment is chosen and appropriately applied;
- Candidate is able to inspect and verify limitations of the commercial device.

1- • Equipment is appropriate but applied inefficiently.

0- • Chosen equipment is not life support or is inappropriately applied.

Anchoring Techniques Evaluation Criteria:

2- (all must apply)

- Anchoring techniques are adequate for life support;
- Knot(s) in webbing configurations are appropriately located;
- Weight is evenly distributed among legs of webbing;
- Direction of pull is toward designated edge.

1- • Anchors are adequate for life support but knot is inappropriately located;
• Webbing is twisted or crossed excessively (3 twist or more) as it interfaces with anchor.

0- (any score zero)

- Anchoring techniques are inadequate for life support;
- Connection to webbing is inadequate;
- Carabiner is cross-loaded or unlocked.

Knots Evaluation Criteria:

2- (all must apply)

- Knots are correctly tied, dressed, safetied, oriented, and appropriate for the application.

1- • Knots are incorrectly dressed, inappropriately oriented, or required safety would allow slippage before engaging.

0- • Knots are incorrectly tied;
• Safety (when required) is absent.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 5.5.4, 5.5.6, 5.5.8, 5.5.10, 5.5.14 Primary Task: Tripod + Mechanical Advantage

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 4 of 4)

Safety Evaluation Criteria:

2- (all must apply)

- Candidate demonstrates commands in a clear and concise manner throughout operation;
- Candidate wears appropriate PPE (including gloves) during operation;
- Candidate demonstrates a system safety check before testing or operating system.

1-

- Candidate is unsure, not clear, or inconsistent with commands;
- Candidate does not project commands that others may hear or see during operation.

0- (any score zero)

- Candidate does not use commands;
- Candidate does not wear PPE appropriate for the operation;
- Candidate demonstrates an unsafe act that would endanger his/her self, team member, or patient;
- Candidate does not demonstrate a system safety check before beginning operation.

Time Evaluation Criteria:

2- • Under 12 minutes.

1- • More than 12 minutes, but less than 20 minutes.

0- • Over 20 minutes.

Safety is PARAMOUNT!!

Candidate must score **14**
out of a possible 16 to pass
with no zeros in any category.
Candidate will be limited to one additional attempt.

**Prevent or prohibit any unsafe acts.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.1, 6.2.2, 6.2.4, 5.3.1, 5.3.3, 5.5.14 **Primary Task:** Victim Removal

Skill No. VR1 **PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 1 OF 3)**

INSTRUCTIONS TO THE MONITOR/ EVALUATOR

1. The candidate will be provided with a minimum of the following: patient, fixed line, belay system, various descending equipment, extra carabiners, patient transfer device & miscellaneous equipment.
2. The candidate will work alone.
3. The candidate shall be given the instruction below before beginning the exercise.
4. Vertical distance is a minimum of 20 ft.
5. Time starts when the rescuer first makes physical contact with the patient and stops once patient is on ground.

INSTRUCTIONS TO THE CANDIDATE

“The candidate, given a fixed line, belay line and rope rescue equipment, shall demonstrate an unconscious patient pickoff while utilizing a traveling brake lower system and move the victim a minimum of 20 ft.”

Rescuer Approach Evaluation Criteria:

2- (all must apply)

- Rescuer evaluates surrounding, available equipment and resources;
- Rescuer demonstrates control while rappelling to patient;
- Rescuer attaches a belay to the patient as he/she approaches the patient;
- Rescuer stops above the patient, prepares for additional load by adding friction to DCD, then locks-off descending device;
- Rescuer notes the patient condition;
- Rescuer notes patient’s attachment to the obstacle or entanglement and mitigates problem to ensure safety to patient and rescuer;
- Rescuer reestablishes a secure harness when needed.

1-

- Rescuer stops at or below patient and has to changeover to climb above patient to begin pick off;
- Rescuer does not attach a tether or belay upon approach.

0- (any score zero)

- Rescuer does not demonstrate situational awareness or demonstrate scene safety;
- Rescuer rappels into the obstacle or entanglement creating more of a problem or need to self rescue;
- Rescuer does not note patient’s conditions;
- Rescuer demonstrates an unsafe act.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
Remember, you are an evaluator, not a trainer...**



GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.1, 6.2.2, 6.2.4, 5.3.1, 5.3.3, 5.5.14 **Primary Task:** Victim Removal

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 2 of 3)

Patient Transfer Evaluation Criteria:

2- (all must apply)

- Rescuer is able to transfer the weight of the patient to rescuer's descent control device;
- Rescuer is able to connect belay to patient;
- Rescuer is able to disconnect patient from the obstacle or entanglement.

1-

- Rescuer makes multiple attempts to transfer weight before successful transfer is complete;
- Rescuer is able to transfer the weight of the patient but attaches to rescuers harness instead of the rescuer's descent control device;
- Rescuer is unsure of next step and delays rescue efforts due to lack of understanding pick-off or system.

0- (any score zero)

- Rescuer is unable to transfer the weight of the patient;
- Rescuer does not connect belay to patient before removing equipment;
- Rescuer is unable to disconnect patient from the obstacle or entanglement.

Patient Lowering Evaluation Criteria:

2- (all must apply)

- Rescuer lowers patient to the ground while protecting patient from further injuries;
- Rescuer identifies the need for rapid medical care and addresses for potential suspension trauma;
- Transfers care to EMS so that all pertinent information is passed from the rescuer to the medical provider.

1-

- Rescuer is able to lower patient but not provide protection or stability.

0- (any score zero)

- Rescuer is unable to lower patient to the ground while protecting patient from further injuries;
- Rescuer does not identify the need for rapid medical care nor addresses potential for suspension trauma;
- Rescuer does not transfer care to EMS.

**Prevent or prohibit any unsafe acts.
Contact the Monitor at any time with any questions you may have.
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GEORGIA FIREFIGHTER STANDARDS AND TRAINING TECHNICAL ROPE RESCUER



Objective(s) NFPA 1006- 08: JPR: 6.2.1, 6.2.2, 6.2.4, 5.3.1, 5.3.3, 5.5.14 **Primary Task:** Victim Removal

PERFORMANCE EVALUATIONS & INSTRUCTION SHEET (PG 3 of 3)

Safety Evaluation Criteria:

2- (all must apply)

- Rescuer demonstrates commands in a clear and concise manner throughout operation;
- Rescuer wears appropriate PPE (including gloves) during operation;
- Rescuer demonstrates a system safety check before testing or operating system.

1-

- Rescuer is unsure, not clear, or inconsistent with commands;
- Rescuer does not project commands that others may hear or see during operation.

0- (any score zero)

- Rescuer does not use commands.

Time Evaluation Criteria:

2- • Under 10 minutes.

1- • More than 10 minutes, but less than 15 minutes.

0- • Over 15 minutes.

Safety is PARAMOUNT!!

Candidate must score **9**
out of a possible 10 to pass
with no zeros in any category.

Candidate will be limited to one additional attempt.

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