

# Hawk Mountain Ranger Training School



## Ranger Grade Testing Guidelines

## Introduction

The purpose of this regulation is to standardize the testing process to ensure quality and integrity of the testing process. This regulation will outline the standards and conditions that Ranger Grade testing be conducted. This regulation will also outline pass and fail criteria. The Expert Ranger testing standards have been omitted from this regulation due to the need for confidentiality and the existence of a standard that predates this regulation.

This regulation will be made public and shall be handed out at Hawk Mountain Ranger Training School and upon request at Ranger training events. This document will also be saved as a PDF file that can be downloaded from the Hawk Mountain Ranger School website.

This regulation is to be the testing standard and all previous practices of testing outside of this standard will no longer be acceptable.

Any task that has an O-#### or P-#### is a current GTM & UDF tasking number. The Ground and Urban Direction Finding task manual should be referenced to perform these tests. To ensure that tests are conducted to standard there should be no deviation from this manual for the testing of the associated tasks. If a member has completed the associated Ground Team Member skill level then the fully qualified box should be checked and signed. No other testing of the skills in that section is needed. However, if the member does not have a qualification completed the entirety of the section must be tested for skill validation and competency regardless of any previously completed tasks.

This testing manual should be referenced prior to each test and should be referenced throughout the test to ensure that all of the testing areas are covered and no pass or fail criteria are missed. At any point the examiner determines the test is a failed the entirety of the test must be repeated no sooner than 24 hours later.

Sanctioned Ranger Program Activities are defined as any activity that is advertised as a Ranger Training Event that is approved by the Wing Ranger Officer. Home unit FTXs, even if the unit is a Ranger Squadron, do not count toward this requirement.

In keeping with Ranger standards, each Ranger task must be evaluated by a Ranger of higher Ranger grade. (example – A Ranger Second Class may evaluate a Ranger Third Class)

# Physical Fitness Standards

Physical fitness is an essential part of being on a ground search and rescue team. Each area of testing evaluates the endurance of a team member to be able to perform duties. These are just minimum standards and should not be looked at as the only standard. At any point that it is determined that the Ranger fails a task. Then entirety of the task be repeated. It is suggested that the entire PT section be completed as a single event.

Physical fitness is paramount in being able to do that. As such each member will participate in a physical fitness test and must score a passing score in all categories. The test will be graded on a sliding scale as described below:

## Push Ups in 2 Minutes

Male Rep	Female Rep	Points
51	34	50
50	33	49
49	32	48
48	31	46
47	30	45
46	29	43
45	28	42
44	27	41
43	26	39
42	25	38
41	24	37
40	23	35
39	22	34
38	21	32
36	20	31
35	19	30

## Sit Ups in 2 Minutes

Repetitions	Points
54	50
53	49
52	47
51	46
50	44
49	42
48	41
47	39
46	38
45	36
44	34
43	33
42	31
41	30

## Pull Ups

Male Repetitions	Female Repetitions	Points
5	3	50
4	2	40
3	1	30

## 1 Mile Run

Time	Points
6:10	50
6:20	49
6:30	48
6:40	46
6:50	45
7:00	43
7:10	42
7:20	41
7:30	39
7:40	38
7:50	37
8:00	35
8:10	34
8:20	32
8:30	31
8:40	30

**Push Up** – The push up will evaluate the Ranger on the endurance of the chest, shoulder and triceps muscles. On the command “get set” the Ranger will assume the front leaning rest position by placing his or her hands where they are comfortable. Your feet may be together or up to 12 inches apart. When viewed from the side the body should form a generally straight line from the Ranger’s shoulders to his or her ankles. On the command “begin” the Ranger will begin the push up by bending his or her elbows and lowering their entire body as a single unit until the upper arms are parallel to the ground. The Ranger will then raise their body to the start position by raising their entire body until their arms are fully extended. The Ranger’s body must remain rigid and in a generally straight line for the repetition to count. At the end of each repetition the scorer will count out loud the number of correctly completed repetitions. This is not a timed event, however, the Ranger must show continuous effort throughout the test. Any repetition that is

Repetitions will not count if:

1. Ranger does not return to the fully extended start position.
2. Ranger does not lower to a at least 90° angle at the elbow.

Failure or Test Halting Criteria:

1. Hands or feet lose contact with the ground.
2. Rest period that last longer than 10 seconds
3. Dropping to the knees.
4. Failure to complete minimum number of repetitions in 2 minutes.

**Pull Up** - The pull up will evaluate the Ranger on the endurance of the shoulder, back, and bicep muscles. On the command “get set” the Ranger will mount the pull up bar and hang straight arm from the bar with hands facing away from the Ranger and spaced comfortably apart. On the command “begin” the Ranger will then pull themselves up so that the chin passes over the pull up bar. The Ranger will then begin to lower themselves down until the Ranger’s arms are fully extended and have returned to the start position. Kicking to assist themselves is not a failure of the repetition but is discouraged. No assistance from other Rangers shall be allowed.

\*Chin ups, a pull up with hand facing toward the Ranger, will not be accepted\*

Failure or Test Halting Criteria:

1. Hands coming off the bar at any point during the test.
2. Rest Period that lasts longer than 10 seconds

**Sit Up** – The sit up will evaluate the Ranger on cardiovascular endurance as well as the endurance of the abdomen and hip flexor muscles. On the command “get set” the Ranger will assume the start position. The start position is back flat on the ground and hands interlocked behind the head or hand grasping the opposite shoulder. On the command “begin” the Ranger will use his or her abdominal muscles to sit up until his or her head crosses the vertical plane. The vertical plain is defined as the location of the buttocks contacting the ground. Once the Ranger is in the full up position, the Ranger will then return to the starting position. The point at which the Ranger reaches the start position

Repetitions will not count if:

1. The feet slide out beyond a 90° position.
2. Hands become loose or leave the shoulder.
3. Failure to meet or exceed the full up position.

Failure or Test Halting Criteria:

1. Failure to complete the required number of repetitions in 2 minutes.
2. Hands grab the knees or legs.
3. Rest period longer than 10 seconds

**The Run** – The run evaluates the Ranger’s cardiovascular endurance. The grader will mark the run route and will brief the Ranger on any special instructions. If using a track the evaluator will ensure that the Ranger knows the number of laps needed to be completed. Upon the command “get set” the Ranger will assume a running stance. Upon the command “go” the Ranger will begin to run the determined length. Walking for short period does not constitute a failure, but is highly discouraged. Other Rangers may run with the member as a pacer, but at no time can the Ranger be pushed, pulled or dragged by the pacer.

Failure Criteria:

1. Walking for longer than 2 minutes.
2. Failure to complete in allotted time.
3. Failure to complete distance.
4. Receiving assistance from other Rangers.

**Senior Provision:** Seniors that have a medical condition that precludes a portion of a PT test must submit of omission of that specific task in writing with supporting documentation. Seniors over the age of 45 will receive an extra minute to complete the run portion of the exam for minimum time score only.

Physical fitness is just as important for senior members as it is for cadets due to the work and stresses of participating in search and rescue operations. Seniors that produce medical documentation that states they cannot run must complete a 3-mile hike with full 72-hour gear in less than 35 minutes.

**No other exemptions will be accepted or considered.** Cadets are not included in this provision and are required to be Physical Category 1.

## Ranger Third Class Tasks

Below are the task standards and description as well as the Pass & Fail criteria for each Ranger Third Class Task.

### R – 001 Ranger Uniform Inspection

Members of a Ranger team are expected to display a professional appearance that instills an air of confidence. The proper wear of a CAP uniform and the maintaining of high standards a Ranger must begin each event or mission wearing a proper Ranger uniform. Ranger MUST pass 12 of 16 tasks to score an overall pass for this task.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Is the Ranger wearing proper head gear?                   | P | F |
| 2. Hair within regulation standards.                         | P | F |
| 3. (Male) Cleanly shaven or facial hair within standards.    | P | F |
| 4. Blouse Properly pressed & starched`                       | P | F |
| 5. Cadet or Senior Grade worn properly.                      | P | F |
| 6. Name tape & CAP tape present and proper.                  | P | F |
| 7. Ranger Grade and other devices worn properly.             | P | F |
| 8. Wing & SAR patches worn properly.                         | P | F |
| 9. Uniform belt present and worn properly.                   | P | F |
| 10. Pants Properly pressed and starched                      | P | F |
| 11. Pocket Knife present and in good condition               | P | F |
| 12. Pen, Pencil, and Small note book present and waterproof. | P | F |
| 13. CAP ID, 101 Card, CPR & First Aid Card present.          | P | F |
| 14. Boots properly bloused.                                  | P | F |
| 15. Boots highly polished.                                   | P | F |
| 16. Uniform is clean.  | P | F |

### R – 301 - Demonstrate the Square Knot

Given a piece of cord that the Ranger must provide the Ranger will correctly tie a square knot in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the Knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

### R – 302 – Demonstrate the Tautline Hitch

Given a piece of cord that the Ranger must provide the Ranger will correctly tie a tautline hitch in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 4. Did the Ranger correctly tie the Knot?   | P | F |
| 5. Did the Ranger correctly dress the knot? | P | F |
| 6. Describe the use of the knot.            | P | F |

R – 303 – Demonstrate Two Half Hitches

Given a piece of cord that the Ranger must provide the Ranger will correctly tie two half hitches in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the Knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

R – 304 Complete a 2 Mile Hike with 24 Hour Gear

Physical endurance and the ability to travel distances carrying personal gear is a requirement of every Ranger. This task should be completed over terrain. A track or roadway will be accepted, however, the preferred method is 2 miles via trails over terrain. The testing of this task will begin with a 24 hour gear lay out. This is to ensure proper gear, food, water, and required safety gear is present and the Ranger is wearing proper weight. The gear inspection will be checked in accordance with the Ranger Required Equipment list. (Attachment A)

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger possess proper 24 hour Gear?        | P | F |
| 2. Does the Ranger have proper safety gear?            | P | F |
| 3. Does the Ranger have water that was filled prior?   | P | F |
| 4. Complete 2 Mile hike with limited breaks. (< 5 min) | P | F |

R – 305 Equipment Safety and Accountability

This task should be completed along with R – 304. This task evaluates the Ranger's ability to maintain accountability of their own personal equipment as well as proper wear of safety gear.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger leave or lose any gear on the hike? | P | F |
| 2. Does the Ranger properly wear safety gear?          | P | F |

## Ranger Second Class Tasks

Below are the task standards and description as well as the Pass & Fail criteria for each Ranger Second Class Task.

### R – 201 Demonstrate Safe Use of a Folding Knife

This task will evaluate the Ranger's ability and knowledge of the above named cutting tool. The Ranger must be able to correctly identify the parts, use, and care of the cutting tool. The Ranger must have the tool in hand for this evaluation.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger properly identify all parts?            | P | F |
| 2. Does the Ranger demonstrate proper passing Techniques?  | P | F |
| 3. Does the Ranger properly describe the use of the tool?  | P | F |
| 4. Does the Ranger properly describe the card of the tool? | P | F |

### R – 202 Demonstrate Safe Use of a Hatchet or Axe

This task will evaluate the Ranger's ability and knowledge of the above named cutting tool. The Ranger must be able to correctly identify the parts, use, and care of the cutting tool. The Ranger must have the tool in hand for this evaluation.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger properly identify all parts?            | P | F |
| 2. Does the Ranger demonstrate proper passing Techniques?  | P | F |
| 3. Does the Ranger properly describe the use of the tool?  | P | F |
| 4. Does the Ranger properly describe the card of the tool? | P | F |
| 5. Does the Ranger safely cut a limb or fell a small tree? | P | F |

### R – 203 Demonstrate Safe Use of a Sheath Knife

This task will evaluate the Ranger's ability and knowledge of the above named cutting tool. The Ranger must be able to correctly identify the parts, use, and care of the cutting tool. The Ranger must have the tool in hand for this evaluation.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger properly identify all parts?            | P | F |
| 2. Does the Ranger demonstrate proper passing Techniques?  | P | F |
| 3. Does the Ranger properly describe the use of the tool?  | P | F |
| 4. Does the Ranger properly describe the card of the tool? | P | F |

### R – 204 Demonstrate Safe Use of a Machete

This task will evaluate the Ranger's ability and knowledge of the above named cutting tool. The Ranger must be able to correctly identify the parts, use, and care of the cutting tool. The Ranger must have the tool in hand for this evaluation.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger properly identify all parts?            | P | F |
| 2. Does the Ranger demonstrate proper passing Techniques?  | P | F |
| 3. Does the Ranger properly describe the use of the tool?  | P | F |
| 4. Does the Ranger properly describe the care of the tool? | P | F |
| 5. Does the Ranger Safely Clear a small area of brush?     | P | F |

### R – 205 Build a Safe Personal Fire

Using locally gathered firewood only, two matches, and a small knife the Ranger must build a small personal fire that would be used to cook a meal. There is no time limit during a Ranger Second Class testing. However, it is highly encouraged that the Ranger practice using the Ranger First Class 15 minute time limit. No assistance from other Rangers is permissible. No accelerants are to be used.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did not use any paper or other accelerant. | P | F |
| 2. Only used two matches.                     | P | F |
| 3. Fire was built in a safe location.         | P | F |
| 4. No outside assistance was given.           | P | F |

### R – 206 Extinguish a Small Personal Fire

This task should be done in conjunction with R-205. Given a single canteen of water the Ranger must fully and safely extinguish his or her personal fire and naturalize the area.

Task Pass & Fail Criteria:

- |                                       |   |   |
|---------------------------------------|---|---|
| 1. Did the Ranger have water?         | P | F |
| 2. Was safety gear worn?              | P | F |
| 3. Was the fire fully extinguished?   | P | F |
| 4. Was the area properly naturalized? | P | F |

R – 207 Discuss the Recognition, Treatment and Prevention of Immersion Foot

The health and medical tasks are verbal tests. The Ranger must give correct information based against the Land Search and Rescue Text. The proper understanding of signs and symptoms as well as being able to prevent and treat symptoms are paramount to being able to function as a Ranger in the field. All three areas must be properly discussed and the Ranger must be able to describe recognition, prevention, and treatment without assistance or coaching from the evaluator

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger properly is able to describe signs of Immersion Foot. | P | F |
| 2. The Ranger properly describes preventions techniques.            | P | F |
| 3. The Ranger properly describes treatment techniques.              | P | F |
| 4. No coaxing or coaching was needed.                               | P | F |

R – 208 Discuss the Recognition, Treatment and Prevention of Burns

The health and medical tasks are verbal tests. The Ranger must give correct information based against the Land Search and Rescue Text. The proper understanding of signs and symptoms as well as being able to prevent and treat symptoms are paramount to being able to function as a Ranger in the field. All three areas must be properly discussed and the Ranger must be able to describe recognition, prevention, and treatment without assistance or coaching from the evaluator

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger properly is able to describe the three types of burns. | P | F |
| 2. The Ranger properly describes preventions techniques.             | P | F |
| 3. The Ranger properly describes treatment techniques.               | P | F |
| 4. No coaxing or coaching was needed.                                | P | F |

R – 209 Discuss the Recognition, Treatment and Prevention of Blisters

The health and medical tasks are verbal tests. The Ranger must give correct information based against the Land Search and Rescue Text. The proper understanding of signs and symptoms as well as being able to prevent and treat symptoms are paramount to being able to function as a Ranger in the field. All three areas must be properly discussed and the Ranger must be able to describe recognition, prevention, and treatment without assistance or coaching from the evaluator

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger properly is able to describe cause of blisters. | P | F |
| 2. The Ranger properly describes preventions techniques.      | P | F |
| 3. The Ranger properly describes treatment techniques.        | P | F |
| 4. No coaxing or coaching was needed.                         | P | F |

R – 210 Discuss the Recognition, Treatment and Prevention of a Sunburn

The health and medical tasks are verbal tests. The Ranger must give correct information based against the Land Search and Rescue Text. The proper understanding of signs and symptoms as well as being able to prevent and treat symptoms are paramount to being able to function as a Ranger in the field. All three areas must be properly discussed and the Ranger must be able to describe recognition, prevention, and treatment without assistance or coaching from the evaluator

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger properly is able to describe signs of a sunburn. | P | F |
| 2. The Ranger properly describes preventions techniques.       | P | F |
| 3. The Ranger properly describes treatment techniques.         | P | F |
| 4. No coaxing or coaching was needed.                          | P | F |

R – 211 Discuss the Recognition, Treatment and Prevention of Dehydration

The health and medical tasks are verbal tests. The Ranger must give correct information based against the Land Search and Rescue Text. The proper understanding of signs and symptoms as well as being able to prevent and treat symptoms are paramount to being able to function as a Ranger in the field. All three areas must be properly discussed and the Ranger must be able to describe recognition, prevention, and treatment without assistance or coaching from the evaluator

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger properly is able to describe signs of Dehydration. | P | F |
| 2. The Ranger properly describes preventions techniques.         | P | F |
| 3. The Ranger properly describes treatment techniques.           | P | F |
| 4. No coaxing or coaching was needed.                            | P | F |

R – 212 Discuss Recognition, Treatment, and Prevention of Hyperventilation

The health and medical tasks are verbal tests. The Ranger must give correct information based against the Land Search and Rescue Text. The proper understanding of signs and symptoms as well as being able to prevent and treat symptoms are paramount to being able to function as a Ranger in the field. All three areas must be properly discussed and the Ranger must be able to describe recognition, prevention, and treatment without assistance or coaching from the evaluator

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger properly is able to describe signs of hyperventilation. | P | F |
| 2. The Ranger properly describes preventions techniques.              | P | F |
| 3. The Ranger properly describes treatment techniques.                | P | F |
| 4. No coaxing or coaching was needed.                                 | P | F |

### R – 213 Discuss Recognition, Treatment, and Prevention of Heat Exhaustion & Heat Stroke

The health and medical tasks are verbal tests. The Ranger must give correct information based against the Land Search and Rescue Text. The proper understanding of signs and symptoms as well as being able to prevent and treat symptoms are paramount to being able to function as a Ranger in the field. All three areas must be properly discussed and the Ranger must be able to describe recognition, prevention, and treatment without assistance or coaching from the evaluator

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger properly is able to describe signs of both emergencies. | P | F |
| 2. The Ranger properly describes preventions techniques.              | P | F |
| 3. The Ranger properly describes treatment techniques.                | P | F |
| 4. No coaxing or coaching was needed.                                 | P | F |

### R – 214 Demonstrate How to Tie the Figure 8 on a Bight

Given a piece of cord that the Ranger must provide the Ranger will correctly tie a figure 8 on a bight in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the Knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

### R – 215 Demonstrate How to Tie the Bowline

Given a piece of cord that the Ranger must provide the Ranger will correctly tie a bowline in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the Knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

### R – 216 Complete a 5 Mile Hike with 24 & 72 hour Gear

Physical endurance and the ability to travel distances carrying personal gear is a requirement of every Ranger. This task should be completed over terrain. A track or roadway will be accepted, however, the preferred method is 5 miles via trails over terrain. The testing of this task will begin with a 24 & 72 hour gear lay out. This is to ensure proper gear, food, water, and required safety gear is present and the Ranger is wearing proper weight. The gear inspection will be checked in accordance with the Ranger Required Equipment list. (Attachment A)

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger possess proper 24 & 72 hour Gear?   | P | F |
| 2. Does the Ranger have proper safety gear?            | P | F |
| 3. Does the Ranger have water that was filled prior?   | P | F |
| 4. Complete 5 Mile hike with limited breaks. (< 5 min) | P | F |

### R – 217 Equipment Safety and Accountability Jump Test

This task should be completed along with R – 216. This task evaluates the Ranger's ability to maintain accountability of their own personal equipment as well as proper wear of safety gear.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Does the Ranger leave or lose any gear on the hike? | P | F |
| 2. Does the Ranger properly wear safety gear?          | P | F |
| 3. Excessive Gear movement?                            | P | F |
| 4. Did any gear fall off?                              | P | F |

### R – 218 Demonstrate Proper Patient Packaging

Given a stokes basket, three pieces of webbing, two blankets, 4 towels, and a tarp the Ranger will have 15 minutes to package a patient into the stokes basket for movement. The Ranger must prepare the stokes basket without assistance. The Ranger will then be given assistance to load the patient safely, but must direct all movement. Once the patient loaded the Ranger then must complete the packaging and tie in of the patient without further assistance. Once complete the roll over test will be used. Minimal movement should be noted.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Safely directed patient movement.                  | P | F |
| 2. Correctly padded voids.                            | P | F |
| 3. Used correct knots and technique to secure Victim. | P | F |
| 4. Proper blanket and tarp configuration was used.    | P | F |
| 5. Safety gear was placed on the patient.             | P | F |
| 6. Completed task within the 15 minute time limit.    | P | F |
| 7. No webbing was placed over hand rails.             | P | F |
| 8. No twists in the webbing over the patient.         | P | F |
| 9. No excessive movement during rollover test.        | P | F |

# Ranger First Class Tasks

Below are the task standards and description as well as the Pass & Fail criteria for each Ranger First Class Task.

## R – 101 Possess a Valid CPR Card

All member should have a valid CPR training card. The credential must be from a recognized entity and must not be expired at the time of exam or when the sheet is completed for turn in. It is the duty of all Rangers to maintain a current and valid CPR and First Aid credential.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Must possess a valid AHA, Red Cross, or ECSI CPR card.       | P | F |
| 2. The card is valid, signed and current.                       | P | F |
| 3. Cannot be valid at time of signing and expired upon turn in. | P | F |

## R – 102 Possess a Valid First Aid Card

All member should have a valid CPR training card. The credential must be from a recognized entity and must not be expired at the time of exam or when the sheet is completed for turn in. It is the duty of all Rangers to maintain a current and valid CPR and First Aid credential.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Must possess a valid AHA, Red Cross, or ECSI CPR card.       | P | F |
| 2. The card is valid, signed and current.                       | P | F |
| 3. Cannot be valid at time of signing and expired upon turn in. | P | F |

## R – 103 Build a Safe Personal Fire

Using locally gather firewood only, two matches, and a small knife the Ranger must build a small personal fire that would be used to cook a meal. There is a 15 minute limit during a Ranger First Class testing. No assistance from other Rangers is permissible. No accelerants are to be used.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did not use any paper or other accelerant. | P | F |
| 2. Only used two matches.                     | P | F |
| 3. Fire was built in a safe location.         | P | F |
| 4. No outside assistance was given.           | P | F |
| 5. Completed in 15 minutes.                   | P | F |

### R – 104 Plot a Two Leg Course on a Topographical Map

Given a topographical map and using supplied or personal mapping tools the Ranger is to plot out a two leg course that would be acceptable for a ground team to follow. The evaluator may also use a scenario to have the Ranger plot the same type of course. The Ranger should plot and draw the course and correctly label the course plots. The Ranger should also supply the evaluator with the distance needed to be traveled in marks, the magnetic and true north azimuths, as well as a back azimuth. No assistance or coaching may be given.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger properly labels and draws course.        | P | F |
| 2. The Ranger gives accurate azimuths for map use.     | P | F |
| 3. The Ranger given accurate azimuths for Compass use. | P | F |
| 4. Gives accurate distances in marks.                  | P | F |
| 5. Give correct and accurate back azimuths.            | P | F |

### R – 105 Given Latitude and Longitude Plot a Point on a Map

Given a topographical map and using supplied or personal mapping tools the Ranger is to plot a point on a map accurate to plus or minus 5 seconds. This point should be properly labeled. The Ranger must use the slide rule method to complete this task. No assistance may be given. The Ranger may use a calculator for conversion math.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger plots the correct point (+ / - ) 5 Seconds. | P | F |
| 2. The Ranger properly labels the point.                  | P | F |
| 3. No outside devices or help was used.                   | P | F |

### R – 106 Determine the Latitude and Longitude of a Point

Given a known location to reference the Ranger will give the evaluator accurate latitude and longitude of the given point. The evaluator will select a predetermined location or symbol on the map. The Ranger will then use the slide rule method only to determine the latitude and longitude of the given point. The Ranger must be accurate to within 5 seconds of the know latitude and longitude of the point. A calculator for conversion math is allowed.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger gives accurate coordinates (+ / - ) 5 seconds. | P | F |
| 2. The Ranger properly labels the point.                     | P | F |
| 3. The Ranger does not use any outside help or devices.      | P | F |

### R – 107 Given UTM Grid Coordinates Determine Location on a Map

Given a topographical map and using supplied or personal mapping tools the Ranger is to plot a point on a map accurately using the UTM coordinates. This point should be properly labeled. No assistance may be given. The Ranger must show competency determining location given a 4 digit UTM grid, a 6 digit UTM grid and an 8 digit UTM grid.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger plots the correct point given a 4 digit UTM Grid.  | P | F |
| 2. The Ranger plots the correct point given a 6 digit UTM Grid.  | P | F |
| 3. The Ranger plots the correct point given an 8 digit UTM Grid. | P | F |
| 4. The Ranger properly labels the points.                        | P | F |
| 5. No outside devices or help was used.                          | P | F |

### R – 108 Determine UTM Grid Coordinates of a Known Point on a Map

Given a topographical map and using supplied or personal mapping tools the Ranger is to give proper UTM grid coordinates of 3 points. The examiner will tell the Ranger which point is to be determined by 4 digit UTM grid coordinates, 6 digit UTM grid coordinates, and 8 digit UTM grid coordinates. Each point is to be properly labeled. The Ranger must use the slide rule method to complete this task. No assistance may be given. The Ranger may use a calculator for conversion math.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger gives proper 4 digit UTM grid coordinates. | P | F |
| 2. The Ranger gives proper 6 digit UTM grid coordinates. | P | F |
| 3. The Ranger gives proper 8 digit UTM grid coordinates. | P | F |
| 4. The Ranger properly labels the point.                 | P | F |
| 5. No outside devices or help was used.                  | P | F |

### R – 109 Use a Topographical Map to Triangulate Present Position

Given a topographical map, map tools and a compass the Ranger will stand at a predetermined location and will use prominent terrain features or other map features to determine the Ranger's current position on the map. The Ranger must accurately determine the terrain feature or other feature on the map and mark it correctly. The Ranger will then use a compass to determine bearing to the feature. The Ranger will use 3 points to determine his or her location. Once the point on the map is located the Ranger will properly mark it and give an accurate 8 digit UTM grid coordinate or latitude and longitude coordinates within 5 seconds.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger properly locates points on the map.                        | P | F |
| 2. The Ranger take accurate bearings from the location.                  | P | F |
| 3. The Ranger properly marks locations on the map.                       | P | F |
| 4. The Ranger gives accurate magnetic and true headings.                 | P | F |
| 5. The Ranger gives accurately converted back azimuths.                  | P | F |
| 6. The Ranger give accurate UTM or lat long coordinates for their point. | P | F |

R – 110 Demonstrate the Inline Figure 8

Given a piece of cord that the Ranger must provide the Ranger will correctly tie an inline figure 8 in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the Knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

R – 111 Demonstrate the Double Fisherman's Bend

Given a piece of cord that the Ranger must provide the Ranger will correctly tie a double fisherman's bend in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the Knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

R – 112 Demonstrate the Chest Harness

Given a piece of 15 foot webbing that the Ranger must provide the Ranger will correctly tie a chest harness in the presence of the evaluator. The chest harness must be correctly tied and dressed. The Ranger must also describe when and why to use a chest harness.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Did the Ranger correctly tie the chest harness?   | P | F |
| 2. Did the Ranger correctly dress the chest harness? | P | F |
| 3. Describe the use of the chest harness.            | P | F |

R – 113 Demonstrate the Water Knot

Given a piece of 15 foot webbing that the Ranger must provide the Ranger will correctly tie a water knot in the presence of the evaluator. The water knot must be correctly tied and dressed. The Ranger must also describe when and why to use a water knot.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

R – 114 Demonstrate the Swiss Seat

Given a piece of 15 foot webbing that the Ranger must provide the Ranger will correctly tie a swiss seat in the presence of the evaluator. The swiss seat must be correctly tied and dressed. The Ranger must also describe when and why to use a swiss seat.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the swiss seat? | P | F |
| 2. Did the Ranger correctly dress the knots?    | P | F |
| 3. Describe the use of the swiss seat.          | P | F |

R – 115 Demonstrate the Clove Hitch

Given a piece of cord that the Ranger must provide the Ranger will correctly tie a clove hitch using the end and middle technique in the presence of the evaluator. The knot must be correctly tied and dressed.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Did the Ranger correctly tie the Knot?   | P | F |
| 2. Did the Ranger correctly dress the knot? | P | F |
| 3. Describe the use of the knot.            | P | F |

R – 002 The Ranger Written Examination

The Ranger must take and pass the Ranger Written Examination with a cumulative score of 70% or higher. This exam covers general ICS NIMS topics, first aid, general emergency services information, and general Ranger knowledge. The Ranger must complete the exam with no assistance. The Ranger is given 1 hour to complete the exam.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger completes the exam in 1 hour. | P | F |
| 2. The Ranger scores a 70% or better.       | P | F |

# Advanced Ranger Tasks

Below are the task standards and description as well as the Pass & Fail criteria for each Advanced Ranger Task.

## R – 401 Completion of a Ranger Summer School

The Ranger must attend have attended a 9 day training program at HMRS or a regional training location. A completion card or participation letter is required to verify this task.

Task Pass & Fail Criteria:

1. Ranger provides supporting documentation of course completion. P F

## R – 402 Completion of a Ranger Winter Training School

The Ranger must attend or have attended a Ranger Winter Training program. The Ranger must supply a completion card or participation letter to support the Rangers completion of this task.

Task Pass & Fail Criteria:

1. Ranger provides supporting documentation of course completion. P F

## R – 403 Prepare a Lesson Plan and Teach a 1 Hour Class on an Assigned Ranger Topic

The Ranger will be assigned a topic from the evaluator that the Ranger wishes to grade this task. The Ranger will then make an outline that is properly formatted and typed then submit it to the evaluator for grading. Once the evaluator has looked over the outline and determined the information to be accurate, covering the correct material, and the outline to be properly formatted the instructor will then assign the time and place of the class. The Ranger will then prep for the class and present the class on time.

Task Pass & Fail Criteria:

1. Ranger provides an outline on assigned topic. P F
2. The outline is properly formatted & typed. P F
3. The Ranger preps and ensure all materials needed are present. P F
4. The topic is presented clearly. P F
5. The class runs for at least 50 minutes. P F
6. The use of training aids were effective. P F
7. The Ranger answered questions appropriately. P F
8. The Ranger presented accurate information P F
9. The Ranger followed the outline for the class. P F
10. Copy of the outline attached to Advanced Ranger Sheet. P F

### R – 404 Give a Ground Team Safety Briefing

Using a properly filled out ICS 208, Safety Plan and Message Form, and also a CAP Composite Risk Management form, the Ranger will properly fill out these forms and then deliver a safety briefing. The Ranger will give an accurate safety assessment on the risk management form. This form must be filled out with the possible safety issues and mitigation actions for the task. Use the current weather conditions at the time of the test. The Ranger must also seek immediate feedback to make sure the team that is being briefed correctly understood the information briefed.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Correctly fills out the composite risk management form.   | P | F |
| 2. Majority of safety hazards identified.                    | P | F |
| 3. Major Safety concerns mitigated properly.                 | P | F |
| 4. The Ranger Correctly fills out the ICS 208.               | P | F |
| 5. The Ranger clearly briefs the safety and mitigation plan. | P | F |
| 6. The Ranger seeks immediate feedback from the audience.    | P | F |

### R – 405 Demonstrate Safe Anchor Setup for Belay and Rappel (Special Examiner)

Given 2 sections of 15 foot tubular webbing, a section of rope, carabineers and a set of prusiks the Ranger will tie a tensionless anchor and proper safety. This should be set up to imitate a rappel line that will be used for rappelling.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger properly ties a tensionless anchor.        | P | F |
| 2. The Ranger properly applies a safety.                 | P | F |
| 3. The Ranger locks all carabineers.                     | P | F |
| 4. The Ranger uses a second anchor for the safety.       | P | F |
| 5. The Ranger correctly describes each part and its use. | P | F |

### R – 406 Demonstrate a Safe Tie Back Anchor (Special Examiner)

Given webbing, carabineers, and 20 feet of 7 mm chord the Ranger will correctly tie a tie back anchor. The Ranger must explain in detail why it works and in what scenario a tie back anchor would be used.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The wrap 3 pull 2's are correctly tied.                         | P | F |
| 2. The tie back is correctly applied and tied.                     | P | F |
| 3. The tie back is correctly secured.                              | P | F |
| 4. One set of anchors are interlaced.                              | P | F |
| 5. Ranger accurately describes why a tie back is used.             | P | F |
| 6. The Ranger accurately describes when a tie back should be used. | P | F |

R – 407 Demonstrate All Required Knots for R – 1, R – 2, R – 3 (Special Examiner)

Given webbing and chord the Ranger shall tie all required knots correctly on the 1<sup>st</sup> attempt. Any knot tied incorrectly and the Ranger shall repeat the entirety of the exam. The Ranger must also state the approximate strength loss for each knot.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger correctly tied all 10 knots.          | P | F |
| 2. The Ranger correctly stated all strength losses. | P | F |

R – 408 Demonstrate a Safe Load Sharing Anchor (Special Examiner)

Given a selection of equipment and rope the Ranger will properly tie and safety a load sharing anchor system. The Ranger must be able to describe why it is load sharing and how it distributes the weight.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The anchor is correctly tied and is functional.           | P | F |
| 2. The anchor is properly safetied.                          | P | F |
| 3. All carabineers were locked.                              | P | F |
| 4. The Ranger correctly described the use.                   | P | F |
| 5. The Ranger correctly describes how weight is distributed. | P | F |

R – 409 Demonstrate a Load Releasing Hitch (Special Examiner)

Given a selection of equipment the Ranger will correctly tie a load releasing system. Only a webbing LRH, traditional LRH, or a radium release will be accepted. The Ranger must describe how one is used and why. The Ranger must also demonstrate how to use the load releasing hitch that is the hitch tied works properly.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The LRH is correctly tied for the type selected. | P | F |
| 2. The LRH is functional.                           | P | F |
| 3. The use is correctly described.                  | P | F |
| 4. The use is correctly demonstrated.               | P | F |
| 5. The LRH is properly secured.                     | P | F |

R – 410 Demonstrate a Rappel Hook Up (Special Examiner)

The Ranger must correctly hook up to a rope using a rescue 8 device. This should be done with minimal coaching.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Ranger correctly uses the device.                            | P | F |
| 2. The Ranger hooks up correctly for the Rangers dominate Hand. | P | F |
| 3. The Ranger locks carabineer.                                 | P | F |

R – 411 Demonstrate a Safe Tie – Off (Special Examiner)

The Ranger will rappel until instructed to stop. At which time the Ranger will conduct a safe tie – off technique.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger used safe technique.        | P | F |
| 2. The Ranger conducted a safe tie – off. | P | F |
| 3. Minimal coaching was required.         | P | F |

R – 412 Demonstrate a Safe Self Rescue (Special Examiner)

The Ranger will rappel until instructed to stop. At which time the Ranger will conduct a safe self-rescue around an obstacle. The Ranger must use safe techniques to complete this with minimal coaching.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger used safe technique.          | P | F |
| 2. The Ranger conducted a safe Self-Rescue. | P | F |
| 3. Minimal coaching was required.           | P | F |

R – 413 Demonstrate a Safe Pick Off Rescue (Special Examiner)

The Ranger will rappel until instructed to conduct the rescue. At which time the Ranger will conduct a safe pick off rescue of another tied off Ranger. The Ranger must use safe techniques to complete this with minimal coaching.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger used safe technique.              | P | F |
| 2. The Ranger conducted a safe pick off rescue. | P | F |
| 3. Minimal coaching was required.               | P | F |

R – 414 Demonstrate Competency During a Low Angle Rescue with Team and Victim (Special Examiner)

The Ranger will demonstrate knowledge and the techniques necessary to complete a low angle rescue. The Ranger should be observed directing his or her team in the correct build and use of a 3:1 mechanical advantage system. The Ranger must direct the team during a raise and lower. The Ranger must ensure that proper safety measures. The proper commands must be given. The Ranger must also explain the mechanical advantage of the system and why it is used.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger uses proper commands.                            | P | F |
| 2. The Ranger uses and ensures safety throughout movement.     | P | F |
| 3. The Ranger directs proper set up of a 3:1 system.           | P | F |
| 4. Proper Lower technique was used.                            | P | F |
| 5. The system had a properly built and functioning safety.     | P | F |
| 6. The Basket was properly attached to the system.             | P | F |
| 7. The victim was properly secured in the system.              | P | F |
| 8. The Ranger used team members wisely.                        | P | F |
| 9. The Ranger correctly described mechanical advantage.        | P | F |
| 10. The Ranger correctly describes low angle vs steep terrain. | P | F |
| 11. The Ranger directs safe movement of the victim.            | P | F |

R – 415 Given Approach Publication, Plot an Aircraft Terminal Approach on a Topographical Map

Given the needed materials the Ranger will correctly plot an aircraft terminal approach. The Ranger must also describe why this is an important for ground team operations and how it applies to missing aircraft searches. The Ranger must properly draw and label all points.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Ranger plots correct terminal approach on correct maps.     | P | F |
| 2. Ranger correctly labels the map points.                     | P | F |
| 3. Ranger describes how a terminal approach applies to search. | P | F |
| 4. Ranger describes how it is important to ground operations.  | P | F |

R – 416 Given 2 VOR Bearings, Plot the Fix on Both an Aero Chart and Topographic Map.

Given an aeronautical chart the examiner will give bearings from two separate VORs, the Ranger will accurately plot the intercept. Once the intercept is accurately plotted the Ranger will then determine the approximate latitude and longitude. The Ranger will then plot accurately the latitude and longitude on the correct topographic map.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. Correctly plots VOR bearings.                            | P | F |
| 2. Correctly determines lat & long.                         | P | F |
| 3. Correctly plots the lat and long on correct map.         | P | F |
| 4. Correctly describes what VORs are and how they are used. | P | F |

R – 417 Determine Latitude and Longitude of a Point on a Topographical Map

Given a known location to reference the Ranger will give the evaluator accurate latitude and longitude of the given point. The evaluator will select a predetermined location or symbol on the map. The Ranger will then use the slide rule method only to determine the latitude and longitude of the given point. The Ranger must be accurate to within 2 seconds of the know latitude and longitude of the point. A calculator for conversion math is allowed.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger gives accurate coordinates (+ / - ) 2 seconds. | P | F |
| 2. The Ranger properly labels the point.                     | P | F |
| 3. The Ranger does not use any outside help or devices.      | P | F |

R – 418 Given a Road Map and 2 Topographical Maps, Explain all Marginal Information

Given two separate topographical maps of different scales and a state road map the Ranger must describe the marginal information and how this applies to navigation.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. Correctly identifies Lat & Long information.                    | P | F |
| 2. Correctly identifies UTM information.                           | P | F |
| 3. Correctly identifies map datum information.                     | P | F |
| 4. Correctly identifies the scale of each map.                     | P | F |
| 5. Correctly locates and describes the map key.                    | P | F |
| 6. Correctly describes highway exits.                              | P | F |
| 7. Correctly identifies the compass.                               | P | F |
| 8. Correctly describes how marginal information applies to search. | P | F |

R – 419 Discuss How GPS Works And How it Applies to Ground Team Operations

The Ranger will describe how GPS works and how a GPS is applied to ground search operations. The Ranger must be able to discuss how a GPS receiver works, and how the satellites are used to determine direction, distance, elevation and the accuracy. The Ranger must also be able to describe what a way point is and how datum information is important to GPS use.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger accurately describes how a GPS receiver works.         | P | F |
| 2. The Ranger describes how map datum info applies.                  | P | F |
| 3. The Ranger accurately describes the satellite use.                | P | F |
| 4. The Ranger accurately describes way point use.                    | P | F |
| 5. The Ranger accurately describes how a GPS determines position.    | P | F |
| 6. The Ranger accurately describes how a GPS determines elevation.   | P | F |
| 7. The Ranger describes how GPS applies to ground search operations. | P | F |

R – 420 List Radio Channels for CAP Operations, ELT Frequencies, and Aircraft Com/Nav Frequencies

The Ranger shall describe the CAP radio system in depth. The Ranger should have a firm understanding of Simplex channels, Duplex channels, basic ICUT information, and how repeaters work. The Ranger must be able to list the frequencies of military, civilian, and personal locator beacons. The Ranger must also be able to accurately describe the 406 mhz ELT system. The Ranger must also discuss the use of ground / ground, air / ground, and air / air frequencies.

Task Pass & Fail Criteria:

- |  |   |   |
|--|---|---|
| 1. The Ranger correctly describes simplex channels.          | P | F |
| 2. The Ranger correctly describes duplex channels.           | P | F |
| 3. The Ranger correctly describes repeater use and function. | P | F |
| 4. The Ranger correctly names ELT frequencies.               | P | F |
| 5. The Ranger correctly describes aircraft frequency use.    | P | F |
| 6. The Ranger correctly describes 406 Mhz ELTs               | P | F |
| 7. The Ranger correctly describes & names common channels.   | P | F |

R – 003 The Ranger Written Examination

The Ranger must take and pass the Ranger Written Examination with a cumulative score of 75% or higher. This exam covers general ICS NIMS topics, first aid, general emergency services information, and general Ranger knowledge. The Ranger must complete the exam with no assistance. The Ranger is given 1 hour to complete the exam.

Task Pass & Fail Criteria:

- |   |   |   |
|---|---|---|
| 1. The Ranger completes the exam in 1 hour. | P | F |
| 2. The Ranger scores a 80% or better.       | P | F |