

Peoria Fire Department

Technical Rescue Technician

Skill Performance Evaluation

This Performance Evaluation Grade Sheet is designed to establish expectations for a **standard level of competency** and proficiency in fundamental technical rescue skills.

Knowing that time is a critical factor in rescue, these basic skills are to be **performed within an established period of time**. In addition to time constraint, the rescuer also has an overriding obligation to safety.

A safety check must be completed by the rescuer before the system is put into play. If an unsafe condition exists and the rescuer does not identify and correct it, the attempt will be considered a fail and another attempt will need to be made. The evaluator is required to stop any unsafe operations if they feel there is imminent danger to any person involved in the operation.

Primary Task: Construct A 5:1 Mechanical Advantage Pulley System: 5 min

INSTRUCTIONS TO THE MONITOR/EVALUATOR

1. The candidate shall construct a functional 5:1 mechanical advantage pulley system within **5 minutes**, given life safety rope and other auxiliary rope rescue equipment, so that the chosen anchor system fits the incident needs (wrap 3 pull two), the system strength meets or exceeds the expected load and does not interfere with rescue operations, equipment is visually inspected prior to being put in service, the critical angle of the anchor is not exceeded, a 5:1 simple MA is constructed, a system ratchet prusik is placed on the rope closest to the load with 3 wraps and a system haul prusik is placed on the rope to allow for system resets, the MA is system safety checked prior to being placed into service, the integrity of the system is maintained throughout the operation.
2. Prevent or prohibit any unsafe acts.
3. Remember you are an evaluator, not an instructor.

INSTRUCTIONS TO THE CANDIDATE

1. Construct a functional 5:1 mechanical advantage pulley system within 5 minutes, given life safety rope and other auxiliary rope rescue equipment, so that the chosen anchor system fits the incident needs (wrap 3 pull two), the system strength meets or exceeds the expected load and does not interfere with rescue operations, equipment is visually inspected prior to being put in service, the critical angle of the anchor is not exceeded, a 5:1 simple MA is constructed, a system ratchet prusik is placed on the rope closest to the load with 3 wraps and a system haul prusik is placed on the rope to allow for system resets, the MA is system safety checked prior to being placed into service, the integrity of the system is maintained throughout the operation.
2. The skill will end when you state or indicate to the monitor that you have completed all the identified steps.
3. Contact the monitor at any time with any questions you may have.

PREPARATION & EQUIPMENT

1. PPE
2. 1/2" static kernmantle rope
3. Carabiners (5)
4. Prusiks, system (1 set)
5. Anchor plate (1)
6. Webbing (1)
7. Pulleys, single, PMP (2)
8. Pulley, double (1)

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Primary Task: Construct A 5:1 Mechanical Advantage Pulley System: 5 min

Candidate: _____ Assignment: _____
 Test Site: _____ Date: _____
 Evaluator: _____

Time:	
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Skill	Complete		Evaluator Initial
1. List considerations for building pulley systems. <ul style="list-style-type: none"> ◆ Size of load ◆ Number of haulers available 			
2. Start Time: Constructs wrap 3 pull 2 anchor system. <ul style="list-style-type: none"> ◆ Overhand bend ◆ 3 inch tails 			
3. Attach anchor plate to anchor and connect additional carabiners for pulleys. <ul style="list-style-type: none"> ◆ Gates should be up and pointed toward load 			
4. Apply 3 wrap (short) prusik to rope, set and connect prusik to anchor plate.			
5. Apply PMP to rope and connect to same carabiner as ratchet.			
6. Apply 3 wrap (long) prusik to rope toward anchor, set and attach carabiner to it.			
7. Apply double pulley to rope below PMP.			
8. Apply single pulley to rope and connect to anchor plate			
9. Add rope to pen wheel of double pulley, apply pulley to carabiner on haul prusik and check for twists in rope.			
10. Lock all carabiners, safety check system.			
11. Reset haul prusik toward load and haul load 10 feet.			
12. Take hands off rope, stop time. Ratchet must hold to pass. Stop time; System must pass safety inspection.			
Pass			