

# Klamath County Fire District 4

## Entry Level Firefighter Unit 5- Ladders

### Individual Performance Standards

<b>6.1</b>	<b>LADDER IDENTIFICATION</b>
<b>6.2</b>	<b>ONE FIREFIGHTER LADDER CARRY AND RAISE</b>
<b>6.3</b>	<b>24' EXTENSION LADDER CARRY AND RAISE</b>
<b>6.4</b>	<b>GROUND LADDER DEPLOYMENT</b>

The above Performance Standards must be completed in the presence of a Firefighter 1. Documentation should include the date and initials of the observer, and if appropriate, the time to took to perform the task.

# LADDER IDENTIFICATION – 6.1

## Fire Individual Performance Standard

**OBJECTIVE:** Identify the parts to a roof, extension and attic ladder.

**EQUIPMENT:** Roof, extension and attic ladders

**NARRATIVE:** You will be shown three ladders; you must point to and describe the different parts of these ladders starting at the tip and working to the butt. This is not a timed event, as you either know the parts or not. Do you have any questions? You may begin.

**STANDARD:** Describe the parts of three different ladders with 100% accuracy.

TASKS FOR ATTIC LADDER	Done	Not Done
1. Identifies the correct ladder		
2. Identifies the Tip and Butt correctly		
3. Identifies the Rail or Beam		
4. Identifies the Rungs		
5. Identifies the Heel or Butt Plate		
6. Identifies the hinged support member		

TASKS FOR ROOF LADDER	Done	Not Done
1. Identifies the correct ladder		
2. Identifies the Tip and Butt correctly		
3. Identifies and operates the Hooks correctly		
4. Identifies the Rail or Beam		
5. Identifies the Rungs		
6. Identifies the Heel or Butt Spurs		

TASKS FOR EXTENSION LADDER	Done	Not Done
1. Identifies the correct ladder		
2. Identifies the Tip		
3. Identifies the Rail or Beam		
4. Identifies the Rungs		
5. Identifies the Dogs		
6. Identifies the Locks		
7. Identifies the Fly		
8. Identifies the Bed		
9. Identifies the Protection Plates		
10. Identifies the Pulley		
11. Identifies the Guides		
12. Identifies the Halyard		
13. Identifies the Stops		
14. Identifies the Heat sensor label		
15. Identifies the Heel or Butt Spurs		

Number of Attempts: \_\_\_\_\_ Comments:

# ONE FIREFIGHTER LADDER CARRY AND RAISE – 6.2

## Fire Individual Performance Standard

**OBJECTIVE:** Carry, raise and set the proper climbing angle for a 14' roof ladder.

**EQUIPMENT:** 14' roof ladder, building suitable for laddering and structure fire PPE

**NARRATIVE:** You are given an order to ladder the roof of a single story structure; the roof ladder is the perfect tool for the job. You must choose a suitable spot for laddering, avoiding overhead obstructions and place the ladder into operation. Time starts when you touch the apparatus or the ladder, and time stops when you have set the climbing angle. Do you have any questions? You may begin when you are ready.

**STANDARD** Remove, carry and raise a 14' roof ladder within 2 minutes with 100% accuracy

**NOTE:** *Approved variations from the below standards #7 and #8 include a one firefighter beam raise that is not heeled, and one firefighter flat raise that does not trap the butt of the ladder at the base of the structure. Either variation must be done safely and without the butt of the ladder slipping uncontrollably.*

TASKS	Done	Not Done
1. Performs all operations necessary to remove roof ladder.		
2. Removes the 14' roof ladder from the apparatus.		
3. Carries the ladder using the low shoulder carry.		
4. Carries the ladder with the butt forward to the raise site watching both ends to avoid hitting anything.		
5. Looks to avoid overhead hazards, and for firm ground to place the ladder		
6. Lowers the butt to the ground and prepares for a flat raise		
7. Uses the structure to heel the ladder during the raise by trapping the butt where the ground and the structure meet.		
8. Flat raises the ladder from the carry position until the ladder contacts the side of the structure.		
9. Grasp the ladder and pull the butt away from the structure		
10. Check climbing angle by standing on the bottom rung and extending arms out, they hand should comfortably grasp the rung; if not adjust as needed.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_

Comments:

## 24' EXTENSION LADDER CARRY AND RAISE – 6.3

### Fire Individual Performance Standard

**OBJECTIVE:** Remove, carry, raise and extend a 24' extension ladder.

**EQUIPMENT:** 24' extension ladder, a firefighter assistant, a building suitable for laddering and structure PPE

**NARRATIVE:** You and an assistant will be given the task of laddering the structure. You must be the firefighter at the butt of the ladder and give directions to your assistant; you must also be the firefighter to raise the fly section and tie the halyard. Time starts when you touch the apparatus or the ladder, and time stops when you have set the climbing angle. Do you have any questions? You may begin when you are ready.

**STANDARD:** Place the ladder with 100% accuracy within 2.5 minutes.

**NOTE:** *Approved variations from the below standard #8 include a properly heeled beam raise. Also, proper climbing angle is checked when standing on the first rung and grasping the rung closest to the shoulder you should stand upright.*

TASKS	Done	Not Done
1. Performs all operations necessary to remove roof ladder.		
2. All equipment removed from the apparatus must be placed in a safe location.		
3. Firefighter at the butt of the ladder gives the command to low shoulder carry the ladder.		
4. Team removes the ladder from apparatus and carries the ladder in the low shoulder carry.		
5. Looks to avoid overhead hazards, and for firm ground to place the ladder		
6. Team carries the ladder butt first to the raise site, communicating about where they are going and where they will be placing it.		
7. Team lowers ladder to the ground with the butt near the final resting location when at a proper climbing angle.		
8. Flat raise the ladder; firefighter at the butt heels the ladder and firefighter at the tip walks up the ladder hand over hand until ladder is raised to a vertical position.		
9. Each remains on opposite sides of the ladder and places their boot on the outside of the ladder beams to heel the ladder during extension.		
10. Extends the ladder to the required height ensuring that both locks are secure.		
11. Lowers ladder softly to the structure.		
12. Set proper climbing angle		
13. Wrap halyard around at least two rungs keeping all rope in the middle of the rung.		
14. Tie off halyard using the clove hitch with a half hitch.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_

Comments:

## GROUND LADDER DEPLOYMENT – 6.4

### Fire Individual Performance Standard

**OBJECTIVE:** Deploy the 24 foot extension ladder separately for rescue, roof access and to work from without entering the building.

**EQUIPMENT:** 24' extension ladder, a firefighter assistant, a building suitable for laddering and structural PPE

**NARRATIVE:** You and an assistant will be given the task of laddering the structure for three separate reasons. You will begin with the ladder on the ground near the target; the evaluator will identify the target and the reason for the deployment (e.g. work from, rescue or access)

**STANDARD:** Place the ladder each of 4 times with 100% accuracy within 1 minute.

**NOTE:** *Time will stop and start with each separate target deployment.*

TASKS	Done	Not Done
1. Visually check work area for overhead hazards and state that there are none.		
<b>WINDOW VENTILATION</b>		
1. Select the proper location on upwind side of the window.		
2. Raise ladder to the upright position and extend it to the proper height for task.		
3. Lower ladder to the building on with tip even or above the top of the window.		
4. Confirm proper climbing angle and secure halyard.		
<b>RESCUE OR ENTRY INTO WINDOW</b>		
1. Select proper location centered on the window.		
2. Raise ladder to the upright position and extend it to the proper height for task.		
3. Lower ladder to the building on with tip at or just in the bottom of the window.		
4. Confirm proper climbing angle and secure halyard.		
<b>WORK FROM HOSE WITH NO ENTRY (Evaluator designate with fire or without)</b>		
1. Select proper location centered on the window.		
2. Raise ladder to the upright position and extend it to the proper height for task.		
3. Lower ladder to the building on with tip below window for fire and above for not.		
4. Confirm proper climbing angle and secure halyard.		
<b>ROOF ACCESS</b>		
1. Select proper location to avoid hazards, traffic and damaging the structure.		
2. Raise ladder to the upright position and extend it to the proper height for task.		
3. Lower ladder to the building on with tip 4 to 5 rungs above the roof line.		
4. Confirm proper climbing angle and secure halyard.		

Number of Attempts: \_\_\_\_\_ Slowest Time: \_\_\_\_\_ Fastest Time: \_\_\_\_\_  
 Comments: