



# **State Firemen's and Fire Marshals' Association of Texas**

Texas Volunteer Firefighters' and Fire Marshals' Certification Board

PO Box 1409 ♦ Manchaca, Texas 78652-1409 ♦ 512.453.1876 (fax)

www.sffma.org ♦ 512.454.3473 (phone)

## **INSTRUCTIONAL SKILLS**

### **LADDERS #1**

Inspection and Maintenance Procedures of Ladders

**Subject: Prevention, Preparedness, and Maintenance**

**NFPA 1001 5.5.1**

**Firefighter I**

#### **OBJECTIVE**

Clean and check ladders, ventilation equipment, SCBA, ropes, salvage equipment, and hand tools, given cleaning tools, cleaning supplies, and an assignment, so that equipment is clean and maintained according to manufacturer's or departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise.

#### **INSTRUCTIONS - procedures for achieving the objective**

You will explain and demonstrate the proper techniques for the inspection and maintenance of ladders. You have 5 minutes to complete this skill. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINERS NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

Extension ladder



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #1

Inspection and Maintenance Procedures of Ladders

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

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Clean and check ladders, ventilation equipment, SCBA, ropes, salvage equipment, and hand tools, given cleaning tools, cleaning supplies, and an assignment, so that equipment is clean and maintained according to manufacturer's or departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise. (5.5.1)

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Checks for signs of physical damage (cracks, splintering, warping, discoloration, bending, dents, etc.)	1		
b. Tests rungs for tightness by twisting them	1		
c. Checks for bent beams and rungs	1		
d. Checks halyard for frays, cuts or bunching	1		
e. Checks halyard for snugness and freedom of movement	1		
f. Checks for free-turning pulleys	1		
g. Checks heat sensor for signs of heat exposure	1		
h. Checks dogs or pawls for freedom of movement and operation	1		
i. Checks condition of guides and free movement of fly sections	1		
j. Checks rivets, welds, and bolted connections for tightness and defects	1		
k. Checks for any unusual wear	1		
l. Checks ladder for cleanliness	1		
m. <i>Verbally states that ladders should be inspected monthly and after each use</i>	1		
n. Completes skill in allotted time	1		
<b>TOTAL POINTS:</b>	<b>14</b>		

**Points needed to pass: 10**



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #1**

Inspection and Maintenance Procedures of Ladders

**Evaluator/Candidate Comments:**

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\_\_\_\_\_  
Certifying Examiner

\_\_\_\_\_  
Date

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Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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## **INSTRUCTIONAL SKILLS**

### **LADDERS #2**

Working off Ground Ladder with Tools

**Subject: Fireground Operations**

**NFPA 1001 5.3.11, 5.3.12**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee, without a life safety belt, shall demonstrate the techniques of working from a ground ladder with a fire fighting axe. The trainee shall accomplish the skill in 2 minutes or less.

#### **INSTRUCTIONS - procedures for achieving the objective**

Given a designated ladder, you shall demonstrate the techniques of working off a ground ladder with a fire fighting axe. You are required to climb to a height of approximately 8 feet. Prior to climbing, you shall check for proper angle of inclination. After reaching the appropriate height, you shall apply a leg lock and demonstrate working by making four (4) simulated chops with the axe. You have 2 minutes to complete this skill. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINER NOTE**

Time will begin when the firefighter trainee begins to check angle of inclination. Time will stop when the firefighter trainee makes four simulated chops with the axe. Unlocking and descending the ladder is not a part of the skill and is not to be timed. The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

1 14 ft. ladder (or greater)

1 fire fighting axe

**SAFETY NOTE:** No heel person will be used. The ladder shall be tied off top and bottom.

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA. Firefighter trainee will not don face piece.



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #2

Working off Ground Ladder with Tools

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

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The firefighter trainee, without a life safety belt, shall demonstrate the techniques of working from a ground ladder with a fire fighting axe. The trainee shall accomplish the skill in 2 minutes or less.

Ladders #2	POSSIBLE POINTS	TEST	RETEST
a. Checks the ladder for proper climbing angle	1		
b. Climbs the ladder smoothly with an axe in one hand and the other hand sliding underneath the beam	1		
c. Secures the body to the ladder utilizing a proper leg lock method	1		
d. Appears stable while making at least four simulated chops with the axe	1		
e. Completes skill in allotted time	1		
<b>TOTAL POINTS:</b>	<b>5</b>		

**Points needed to pass: 4**

**Evaluator/Candidate Comments:**

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Certifying Examiner

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Date

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Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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### **INSTRUCTIONAL SKILLS**

#### **LADDERS #3**

Low Shoulder Carry, Right Angle Raise of a 14 Foot Single Ladder

**Subject: Fireground Operations**

**NFPA 1001 5.3.6**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee shall demonstrate the proper procedures to carry, position, and raise a 14 foot single or wall ladder using a low shoulder carry, right angle raise. Starting 100 feet from a designated structure, the trainee shall pick up, carry, and raise a 14 foot ladder to a single story roof or its equivalent. The trainee shall verbalize to the evaluator each step identified in bold print as it is performed. The skill shall be performed in 1½ minutes or less.

#### **INSTRUCTIONS - procedures for achieving the objective**

Using a low shoulder carry, you will pick up and carry a 14 foot ladder 100 feet to a designated structure. Using a right angle raise, you will raise the ladder to a single story roof or its equivalent. You shall verbalize the mandatory steps while performing this skill. You will begin on my instruction to start. You have 1½ minutes to complete this skill. The skill will end when you indicate that the ladder is suitable for climbing. Do you understand these instructions?

#### **EXAMINERS NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

14 foot single ladder

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA. Firefighter trainee will not don face piece.



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #3

Low Shoulder Carry, Right Angle Raise of a 14 Foot Single Ladder

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

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Test Site: \_\_\_\_\_

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The firefighter trainee shall demonstrate the proper procedures to carry, position, and raise a 14 foot single or wall ladder using a low shoulder carry, right angle raise. Starting 100 feet from a designated structure, the trainee shall pick up, carry, and raise a 14 foot ladder to a single story roof or its equivalent.

The trainee shall verbalize to the evaluator each step identified in bold print as it is performed. The skill shall be performed in 1½ minutes or less.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Standing next to the ladder, lifts and carries the ladder to the structure using the low shoulder method with the ladder butt to the front and slightly lowered	1		
b. Checks for obstructions, verbalizes that the area is clear of overhead obstructions, and then places butt in proper position. (The verbalization must be performed prior to raising the ladder.)	1		
c. Makes a proper right angle raise	1		
d. While maintaining control of the ladder, pivots the ladder, if necessary, and lowers the ladder into place	1		
e. Checks for proper angle of inclination and verbally indicates that the ladder is suitable for climbing	1		
f. Completes the skill in time allotted	1		
<b>TOTAL POINTS:</b>	<b>6</b>		

**Points needed to pass: 5**



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #3**

Low Shoulder Carry, Right Angle Raise of a 14 Foot Single Ladder

**Evaluator/Candidate Comments:**

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Certifying Examiner

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Date

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Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>





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## **INSTRUCTIONAL SKILLS**

### **LADDERS # 4**

Two-Firefighter Low Shoulder Carry, Right Angle Flat Raise of a 24 Foot Extension Ladder

**Subject: Fireground Operations**

**NFPA 1001 5.3.6**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee, operating as a member of a team, shall demonstrate the proper procedures for a two firefighter pick up, Low Shoulder Carry, Right Angle Flat Raise of a 24 foot Extension Ladder. The skill shall be performed in 3 minutes or less.

#### **INSTRUCTIONS - procedures for achieving the objective**

Using a two firefighter low shoulder carry, you and a designated person will pick up and carry a 24 foot extension ladder 100 feet to a designated structure. You will raise the ladder to a two story window or its equivalent. You will be positioned at the butt end of ladder for this evaluation. You shall verbalize the mandatory steps while performing this skill. When you have reached your destination, you and your team member will raise the ladder using the Right Angle Flat Raise. You will only communicate with the other team member to assure the ladder is properly carried, raised, and extended. You have a maximum time limit to complete this skill of 3 minutes. You will begin on my instructions to start. Time will end when you verbally state that the ladder is suitable for climbing. Do you understand these instructions?

#### **EXAMINERS NOTE:**

Instruct the firefighter trainee where the ladder is to be placed and indicate the intended use: climbing, rescue, or ventilation. **Ladder placement and intended use shall be the same for all examinees.** The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

24 ft. extension ladder

Drill tower or equivalent

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA. **Firefighter trainee will not don face piece or hood.**



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS # 4

Two-Firefighter Low Shoulder Carry, Right Angle Flat Raise of a 24 Foot Extension Ladder

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

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The firefighter trainee, operating as a member of a team, shall demonstrate the proper procedures for a two firefighter pick up, Low Shoulder Carry, Right Angle Flat Raise of a 24 foot Extension Ladder. The skill shall be performed in 3 minutes or less.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Standing next to the ladder at the butt end, gives a command to shoulder the ladder	1		
b. Places hand over the butt spur, checks for and verbalizes the area is clear of overhead obstructions on approach to the building, spots the ladder, and places the butt of both beams on the ground. (The verbalization must be performed prior to raising the ladder.)	1		
c. Utilizes designated raise	1		
d. Heels the ladder by standing on the bottom rung and verbalizes a command to raise the ladder	1		
e. Faces the other team member and pivots the ladder, if necessary, to set the fly out (or as stated in manufacturer's recommendation). The trainee extends the fly to the proper distance and engages the pawls	1		
f. After lowering the ladder into place, the trainee checks for proper climbing angle and fly extension, and adequate structural support at tip	1		
g. Ties off the halyard to a rung in a manner that will prevent the fly from slipping and that will prevent anyone from tripping while climbing, and assists the other team member. The trainee verbalizes that the ladder is suitable for climbing. Time stops at this point.	1		
<b>TOTAL POINTS:</b>	<b>7</b>		

**Points needed to pass: 5**



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS # 4**

Two-Firefighter Low Shoulder Carry, Right Angle Flat Raise of a 24 Foot Extension Ladder

**Evaluator/Candidate Comments:**

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\_\_\_\_\_  
Certifying Examiner

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Date

\_\_\_\_\_  
Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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## **INSTRUCTIONAL SKILLS**

### **LADDERS #5**

Two-Firefighter Low Shoulder Carry, Right Angle Beam Raise of a 24 Foot Extension Ladder

**Subject: Fireground Operations**

**NFPA 1001 5.3.6**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee, operating as a member of a team, shall demonstrate the proper procedures for a two firefighter pick up, Low Shoulder Carry, Right Angle Beam Raise of a 24 foot Extension Ladder. You will have 3 minutes to complete this skill.

#### **INSTRUCTIONS - procedures for achieving the objective**

Using a two firefighter low shoulder carry, you and a designated person will pick up and carry a 24 foot extension ladder 100 feet to a designated structure. You will raise the ladder to a two story window or its equivalent. You will be positioned at the butt of the ladder for the evaluation. You shall verbalize the mandatory steps while performing this skill. When you have reached your destination, you and your team member will raise the ladder using a right angle beam raise. You will only communicate with the other team member to assure the ladder is properly carried, raised, and extended. You have 3 minutes to complete this skill. The time will begin on my instruction to start. Time will stop when you verbally state that the ladder is suitable for climbing. Do you understand these instructions?

#### **EXAMINERS NOTE:**

Instruct the firefighter trainee where the ladder is to be placed and indicate the intended use: climbing, rescue, or ventilation. **Ladder placement and intended use shall be the same for all examinees.** The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

24 ft. extension ladder

Drill tower or equivalent

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA. **Firefighter trainee will not don face piece or hood.**



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #5

Two-Firefighter Low Shoulder Carry, Right Angle Beam Raise of a 24 Foot Extension Ladder

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

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The firefighter trainee, operating as a member of a team, shall demonstrate the proper procedures for a two firefighter pick up, Low Shoulder Carry, Right Angle Beam Raise of a 24 foot Extension Ladder. You will have 3 minutes to complete this skill.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Standing next to the ladder at the butt end, gives a command to shoulder the ladder	1		
b. Places hand over the butt spur, checks for obstructions and verbalizes the area is clear of overhead obstructions. On approach to the building, spots the ladder and places butt of one beam on the ground. (The verbalization must be performed prior to raising the ladder.)	1		
c. Utilizes designated raise	1		
d. Heels the ladder and gives a command to raise the ladder	1		
e. Faces the other team member and pivots the ladder to set the fly out (or as stated in the manufacturer's recommendation. The trainee extends the fly to the proper distance and engages the pawls.	1		
f. After lowering the ladder into place, the trainee checks for proper climbing angle and fly extension, and adequate structural support at tip	1		
g. The trainee shall tie off the halyard to a rung in a manner that will prevent the fly from slipping and that will prevent anyone from tripping while climbing. Verbalizes that the ladder is suitable for climbing. <b>Time stops at this point.</b>	1		
h. Completes the skill in the time allotted	1		
<b>TOTAL POINTS:</b>	<b>8</b>		

**Points needed to pass: 6**



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #5**

Two-Firefighter Low Shoulder Carry, Right Angle Beam Raise of a 24 Foot Extension Ladder

**Evaluator/Candidate Comments:**

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Certifying Examiner

\_\_\_\_\_  
Date

\_\_\_\_\_  
Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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### **INSTRUCTIONAL SKILLS**

#### **LADDERS #6**

Two Firefighter Low-shoulder Carry, Flat Parallel Raise of a 24 Foot Extension Ladder

**Subject: Fireground Operations**

**NFPA 1001 5.3.6**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee, operating as a team member, shall demonstrate the proper two firefighter pick-up for a Low Shoulder Carry, Flat Parallel Raise of a 24 foot Extension ladder. The firefighter trainee shall perform all the identified steps in less than 3 minutes.

#### **INSTRUCTIONS - procedures for achieving the objective**

Using a two firefighter low shoulder carry, you and a designated person will pick up and carry a 24 foot extension ladder 100 feet to a designated structure. You will raise the ladder to a two story window or its equivalent. You will be positioned at the butt end of ladder for this evaluation. You shall verbalize the mandatory steps while performing this skill. When you have reached your destination, you and your team member will raise the ladder using the Right Angle Flat Raise. You will only communicate with the other team member to assure the ladder is properly carried, raised, and extended. You have a maximum time limit to complete this skill of 3 minutes. You will begin on my instructions to start. Time will end when you verbally state that the ladder is suitable for climbing. Do you understand these instructions?

#### **EXAMINERS NOTE:**

Instruct the firefighter trainee where the ladder is to be placed and indicate the intended use: climbing, rescue, or ventilation. **Ladder placement and intended use shall be the same for all examinees.** The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

24 ft. extension ladder,

Drill tower, ladder wall, or equivalent

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA. **Firefighter trainee will not don face piece or hood.**



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #6

Two Firefighter Low-shoulder Carry, Flat Parallel Raise of a 24 Foot Extension Ladder

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

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The firefighter trainee, operating as a team member, shall demonstrate the proper two firefighter pick-up for a Low Shoulder Carry, Flat Parallel Raise of a 24 foot Extension ladder. The firefighter trainee shall perform all the identified steps in less than 3 minutes.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Stands next to the ladder at the butt, gives a command to shoulder the ladder. Both individuals, as they stand, will use leg muscles to lift the ladder.	1		
b. Places hand over butt spur, checks for obstructions and verbalizes that area is clear of obstructions. On approach to building, spots the ladder, places the butt on the ground and turns the ladder flat. (The verbalization must be performed prior to raising the ladder.)	1		
c. Utilizes designated raise	1		
d. Heels the ladder by standing on the bottom rung, crouches down to grasp a convenient rung or the beams with both hands, leans back and gives a command to raise the ladder	1		
e. Faces the other member and pivots the ladder to set the fly out (or as stated in the manufacturer's recommendation). The trainee extends the fly to the proper distance and engages pawls	1		
f. After lowering the ladder into place, the trainee checks for proper climbing angle and fly extension, and adequate structural support at tip	1		
g. Ties off the halyard to a run in a manner that will prevent the fly from slipping and that will prevent anyone from tripping while climbing, and assists the other team member. Verbalizes that the ladder is suitable for climbing. <b>Time stops at this point.</b>	1		
h. Completes the skill in the time allotted	1		
<b>TOTAL POINTS:</b>	<b>8</b>		

**Points needed to pass: 6**





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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #6**

Two Firefighter Low-shoulder Carry, Flat Parallel Raise of a 24 Foot Extension Ladder

**Evaluator/Candidate Comments:**

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\_\_\_\_\_  
Certifying Examiner

\_\_\_\_\_  
Date

\_\_\_\_\_  
Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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### **INSTRUCTIONAL SKILLS**

#### **LADDERS #7**

Carry, Hoist, and Secure a Roof Ladder

**Subject: Fireground Operations**

**NFPA 1001 5.3.6**

**Firefighter I**

#### **OBJECTIVE**

Given an existing raised extension ladder, the firefighter trainee shall carry, hoist, and secure a roof ladder on a structure with a pitched roof.

#### **INSTRUCTIONS - procedures for achieving the objective**

Given an existing raised extension ladder, you shall carry, hoist, and secure a roof ladder onto a structure with a pitched roof. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINERS NOTE:**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

1- 14 ft. roof ladder

1- 24 ft. or 35 ft. extension ladder

Pitched roof

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots and SCBA.



# State Firemen's and Fire Marshals' Association of Texas

Texas Volunteer Firefighters' and Fire Marshals' Certification Board

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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #7

Carry, Hoist, and Secure a Roof Ladder

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

\_\_\_\_\_

Given an existing raised extension ladder, the firefighter trainee shall carry, hoist, and secure a roof ladder on a structure with a pitched roof.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Carries the roof ladder, tip first, to the ladder placed at the structure	1		
b. Sets the roof ladder on the ground near the ladder to be ascended and opens the hooks	1		
c. Tilts the roof ladder up so that it rests against the other ladder, with the hooks facing outward	1		
d. Climbs the main ladder until his/her shoulder is about two rungs above midpoint of the roof ladder	1		
e. Reaches through the rungs of the roof ladder and hoists it onto his/her shoulder	1		
f. Climbs to the top of the ladder, and uses a leg lock or life safety harness to lock into the ladder	1		
g. Takes the roof ladder off the shoulder	1		
h. Uses a hand over hand method to push the ladder onto the roof with the hooks in the down position	1		
i. Pushes the roof ladder up the roof until the hooks go over the edge of the peak	1		
j. Pulls the ladder back down so the hooks catch solidly over the peak	1		
<b>TOTAL POINTS:</b>	<b>10</b>		

**Points needed to pass: 7**



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #7**

Carry, Hoist, and Secure a Roof Ladder

**Evaluator/Candidate Comments:**

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\_\_\_\_\_  
Certifying Examiner

\_\_\_\_\_  
Date

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Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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### **INSTRUCTIONAL SKILLS**

#### **LADDERS #8**

Ladder Climbing Technique While Transporting Tools and Equipment

**Subject: Fireground Operations**

**NFPA 1001 5.3.10, 5.3.12**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee shall demonstrate and describe proper ladder climbing technique while transporting tools and equipment.

#### **INSTRUCTIONS - procedures for achieving the objective**

Given a designated ladder, you shall demonstrate proper climbing with a fire fighting tool. You are required to climb the entire length of the ladder smoothly and rhythmically after ensuring that the ladder is at the proper angle of inclination. You will be required to complete the mandatory steps while performing this skill. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINERS NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

1-14 foot ladder

1-24 foot ladder

1-35 foot ladder

1-Axe

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA.



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #8

Ladder Climbing Technique While Transporting Tools and Equipment

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

\_\_\_\_\_

The firefighter trainee shall demonstrate and describe proper ladder climbing technique while transporting tools and equipment.

	POSSIBLE POINTS	TEST	RETEST
<b>Single Ladder:</b>			
a. With the ladder in place, checks proper climbing angle and ensures the ladder is secure	1		
b. Climbs the ladder with the axe in one hand and the other hand slides underneath the beam	1		
c. Keeps arms straight with body away from the ladder	1		
d. Uses leg muscles and does not pull with arms	1		
e. Climbs smoothly and rhythmically	1		
f. Ascends and descends the entire length of the ladder	1		
<b>Extension ladder:</b>			
a. With the ladder in place, checks proper climbing angle and ensures the ladder is secure	1		
b. Checks the locks to verify they are seated over the rungs and the halyard is tied securely	1		
c. Climbs the ladder with the axe in one hand and the other hand underneath the beam	1		
d. Keeps arms straight with body away from the ladder	1		
e. Uses leg muscles and does not pull with arms	1		
f. Climbs smoothly and rhythmically	1		
g. Ascends and descends the entire length of the ladder	1		
<b>TOTAL POINTS:</b>	<b>13</b>		

**Points needed to pass: 10**



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #8**

Ladder Climbing Technique While Transporting Tools and Equipment

**Evaluator/Candidate Comments:**

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Certifying Examiner

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Date

\_\_\_\_\_  
Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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## **INSTRUCTIONAL SKILLS**

### **LADDERS #9**

Techniques of Cleaning Ladders

**Subject: Prevention, Preparedness, and Maintenance**  
**NFPA 1001 5. 5.1**

**Section 101**  
**Firefighter I**

#### **OBJECTIVE**

Clean and check ladders, ventilation equipment, SCBA, ropes, salvage equipment, and hand tools, given cleaning tools, cleaning supplies, and an assignment, so that equipment is clean and maintained according to manufacturer's or departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise.

#### **INSTRUCTIONS - procedures for achieving the objective**

You will verbally explain and demonstrate the proper technique of cleaning fire service ladders. You shall verbalize each step as it is being performed. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINERS NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

1 24 ft. or 35 ft. extension ladder

Soapy water

1 brush

Waterproof grease





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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #9

Techniques of Cleaning Ladders

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

\_\_\_\_\_

Clean and check ladders, ventilation equipment, SCBA, ropes, salvage equipment, and hand tools, given cleaning tools, cleaning supplies, and an assignment, so that equipment is clean and maintained according to manufacturer's or departmental guidelines, maintenance is recorded, and equipment is placed in a ready state or reported otherwise. (5.5.1)

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Thoroughly removes dirt from ladder with soapy water and a brush	1		
b. Examines all braces, slides, stop locks, halyards, rivets, pulleys, and moveable parts	1		
c. Checks lubrication of moveable parts	1		
d. Makes notation of any loose parts, cracks, dry rot, or unusual wear.	1		
e. Thoroughly dries the ladder and lubricates with waterproof grease	1		
<b>TOTAL POINTS:</b>	<b>5</b>		

**Points needed to pass: 4**

**Evaluator/Candidate Comments:**

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\_\_\_\_\_  
Certifying Examiner

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Date

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Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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## **INSTRUCTIONAL SKILLS**

### **LADDERS #10**

3- Firefighter Flat Shoulder Carry, Right Angle Flat Raise of a 35 foot Extension Ladder

**Subject: Fireground Operations**

**NFPA 1001 5.3.6, 5.3.12**

**Firefighter I**

#### **OBJECTIVE**

Starting 100 feet from a designated two or more story structure, the firefighter trainee and the designated team members shall pick up, carry, and raise a 35 foot extension ladder to a third story window or its equivalent using a three firefighter flat shoulder carry, right angle flat raise. The trainee shall verbalize to the evaluator each step identified in bold print as it is performed. The trainee may only receive communication from the designated persons (team members) to ensure the ladder is properly carried, raised, and extended. The skill shall be performed in 3 minutes or less.

#### **INSTRUCTIONS - procedures for achieving the objective**

Using a three firefighter flat shoulder carry, you and designated persons will pick up a 35 foot extension ladder and carry it 100 feet to a designated structure. Using a right angle flat raise, you will raise the ladder to a three story window or its equivalent. You will be required to verbalize key steps and complete the mandatory steps while performing this skill. You and your team members will raise the ladder without laying the ladder on the ground. You will be required to set the ladder with at least three rungs inside the third story window or its equivalent. You will be positioned at the butt end of the ladder for this evaluation. You will only communicate with the other team members to assure the ladder is properly carried, raised, and extended. You will have a maximum time limit to complete this skill of 3 minutes. Time will start on my instructions to start. Time will end when you state that the ladder is suitable for climbing. Do you understand these instructions?

#### **EXAMINERS NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

35 ft. extension ladder

Two or more story structure or equivalent

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots and SCBA. Firefighter trainee will not don face piece.



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #10**

3- Firefighter Flat Shoulder Carry, Right Angle Flat Raise of a 35 foot Extension Ladder

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

\_\_\_\_\_

Starting 100 feet from a designated two or more story structure, the firefighter trainee and the designated team members shall pick up, carry, and raise a 35 foot extension ladder to a third story window or its equivalent using a three firefighter flat shoulder carry, right angle flat raise. The trainee shall verbalize to the evaluator each step identified in bold print as it is performed. The trainee may only receive communication from the designated persons (team members) to ensure the ladder is properly carried, raised, and extended. The skill shall be performed in 3 minutes or less.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Positions firefighters: Two kneel on one side of ladder, one at either end, facing tip. The third kneels on opposite side at midpoint, also facing the tip.	1		
b. Kneeling next to the ladder at the butt end, gives a command to shoulder the ladder. All individuals stand, using leg muscles to lift the ladder. Carries the ladder 100 feet in a controlled manner.	1		
c. Places hand over butt spur, checks for obstructions on the approach to building, verbalizes the area is clear of overhead obstructions, spots the ladder, places butt of both beams on the ground. The verbalization must be performed prior to raising.	1		
d. Utilizes designated raise.	1		
e. The trainee being evaluated heels the ladder by standing on the bottom rung and gives a command to raise the ladder, crouches down to grasp either a convenient rung or the beams with both hands and leans back to help raise ladder.	1		
f. Faces the other team members and pivots ladder to set fly out (or as manufacturer's recommendation), trainee extends the fly, engages pawls.	1		
g. The trainee being evaluated ties off the halyard to a rung in a manner that will prevent the fly from slipping and that will prevent anyone from tripping while climbing, and assists other team members with lowering ladder into place.	1		
h. Checks for proper climbing angle and fly extension. Verbalizes that the ladder is suitable for climbing. Time stops at this point.	1		



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## INSTRUCTIONAL SKILLS

### FIREFIGHTER I: LADDERS #10

3- Firefighter Flat Shoulder Carry, Right Angle Flat Raise of a 35 foot Extension Ladder

i. Accomplishes all steps in time allotted.	1		
TOTAL POINTS:	9		

**Points needed to pass: 7**

**Evaluator/Candidate Comments:**

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\_\_\_\_\_  
Certifying Examiner

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Date

\_\_\_\_\_  
Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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## **INSTRUCTIONAL SKILLS**

### **LADDERS #11**

Carry a Folding/Attic Ladder

**Subject: Fireground Operations**

**NFPA 1001 5.3.6, 5.3.12**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee shall demonstrate the proper procedures to carry, position, raise, and lower a folding/attic ladder. Starting 100 feet from a designated structure, the trainee shall pick up, carry, and raise a folding/attic ladder to an interior ceiling opening or its equivalent. The trainee shall verbalize to the evaluator each step identified in bold print as it is performed. The skill shall be performed in 1½ minutes or less.

#### **INSTRUCTIONS - procedures for achieving the objective**

You will pick up and carry a folding/attic ladder 100 feet to a designated structure. You will raise the ladder to an interior ceiling opening or its equivalent. You will be required to verbalize and complete mandatory steps while performing this skill. You will begin on my instruction to start. The skill will end when you indicate that the ladder is suitable for climbing. You will have a maximum time limit to complete this skill of 1½ minutes. Do you understand these instructions?

#### **EXAMINERS NOTE**

The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

folding/attic ladder

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA. Firefighter trainee will not don face piece.



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #11**

Carry a Folding/Attic Ladder

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

\_\_\_\_\_

The firefighter trainee shall demonstrate the proper procedures to carry, position, raise, and lower a folding/attic ladder. Starting 100 feet from a designated structure, the trainee shall pick up, carry, and raise a folding/attic ladder to an interior ceiling opening or its equivalent. The trainee shall verbalize to the evaluator each step identified in bold print as it is performed. The skill shall be performed in 1½ minutes or less.

The Candidate:	POSSIBLE POINTS	TEST	RETEST
a. Standing next to the ladder, lifts and carries the ladder in the closed position, tip forward	1		
b. Carries the ladder to the interior ceiling opening or its equivalent	1		
c. Checks for obstructions, verbalizes that the area is clear of overhead obstructions, and then places butt in proper position. (The verbalization must be performed prior to raising the ladder.)	1		
d. While maintaining control of the ladder, pivots the ladder, if necessary, and lowers the ladder into place	1		
e. Checks for proper angle of inclination and verbally indicates that the ladder is suitable for climbing	1		
f. Completes the skill in the allotted time	1		
<b>TOTAL POINTS:</b>	<b>6</b>		

**Points needed to pass: 5**

**Evaluator/Candidate Comments:**

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\_\_\_\_\_

\_\_\_\_\_  
Certifying Examiner

\_\_\_\_\_  
Date

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Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>



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### **INSTRUCTIONAL SKILLS**

#### **LADDERS #13**

Ladder Climbing Technique While Assisting a Person

**Subject: Fireground Operations**

**NFPA 1001 5.3.9**

**Firefighter I**

#### **OBJECTIVE**

The firefighter trainee shall demonstrate and describe proper ladder climbing technique while assisting a person with a simulated injury.

#### **INSTRUCTIONS - procedures for achieving the objective**

Given a designated ladder and a team member, you shall demonstrate proper climbing technique while assisting a person with a simulated injury down the ladder. You are required to climb the entire length of the ladder smoothly and rhythmically after ensuring that the ladder is at the proper angle of inclination. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

#### **EXAMINER'S NOTE:**

The team member is to assist moving the injured person from the building window to the ladder only. The firefighter trainee will not be allowed to review the performance steps at the time of testing.

#### **PREPARATION & EQUIPMENT**

1-14 foot ladder

1-24 foot ladder

1-35 foot ladder

1-Person (for simulated injured)

The firefighter trainee shall accomplish the skill wearing "**FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS**" to include helmet, gloves, coat, trousers, boots, and SCBA.



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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #13**

Ladder Climbing Technique While Assisting a Person

Candidate: \_\_\_\_\_

Notes: \_\_\_\_\_

Examiner: \_\_\_\_\_

\_\_\_\_\_

School: \_\_\_\_\_

\_\_\_\_\_

Test Site: \_\_\_\_\_

\_\_\_\_\_

The firefighter trainee shall demonstrate and describe proper ladder climbing technique while assisting a person with a simulated injury.

	POSSIBLE POINTS	TEST	RETEST
<b>Single Ladder:</b>			
a. With the ladder in place, checks proper climbing angle and ensures the ladder is secure	1		
b. soon as the person is on the ladder, the firefighter's arms are placed under the armpits of the person and a knee is placed between the person's legs for support	1		
c. Climbs smoothly and rhythmically	1		
d. Ascends and descends the entire length of the ladder	1		
<b>Extension ladder:</b>			
a. With the ladder in place, checks proper climbing angle and ensures the ladder is secure	1		
b. Checks the locks to verify they are seated over the rungs and the halyard is tied securely	1		
c. As soon as the person is on the ladder, the firefighter's arms are placed under the armpits of the person and a knee is placed between the person's legs for support	1		
d. Climbs smoothly and rhythmically	1		
e. Ascends and descends the entire length of the ladder	1		
<b>TOTAL POINTS:</b>	<b>9</b>		

**Points needed to pass: 7**





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## INSTRUCTIONAL SKILLS

### **FIREFIGHTER I: LADDERS #13**

Ladder Climbing Technique While Assisting a Person

**Evaluator/Candidate Comments:**

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Certifying Examiner

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Date

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Re-Test Certifying Examiner

\_\_\_\_\_  
Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>