



State Firemen's and Fire Marshals' Association of Texas

4450 Frontier Trail ♦ Austin, Texas 78745-1514 ♦ (512) 454-3473

www.sffma.org ♦ (800) 580-7336

PERFORMANCE STANDARDS

ROPES, KNOTS, AND HITCHES # 1

Securing a Ladder to an Immovable Object

PERFORMANCE STANDARD

Section 28-3.2

NFPA 1001 3-1.1.2

Advanced

OBJECTIVE

The firefighter shall secure a ladder using a proper technique. The firefighter shall properly secure equipment to an immovable object with the appropriate securing device chosen. The firefighter shall accomplish the skill in 4 minutes or less.

INSTRUCTIONS: Procedures for achieving the objectives

While wearing full protective clothing and Self Contained Breathing Apparatus (SCBA), you shall select an appropriate securing device and properly secure the ladder, at either the base or tip, to an immovable object. You will be required to complete the mandatory steps while performing this skill. You will begin on my instruction to start. You will have 4 minutes to complete this skill. 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 will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT:

Rope
Rope hose tool/belt
Straight ladder (12' or 14')

The firefighter shall accomplish the skill wearing **“FULL PROTECTIVE CLOTHING FOR STRUCTURAL FIREFIGHTERS”** as required by the State Fireman's and Fire Marshals' Association of Texas to include helmet, gloves, coat, trousers, boots, and SCBA. Firefighter will not don face piece or hood.

REFERENCE SOURCE:

IFSTA, Essentials of Fire Fighting, 4th Edition, page 303



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Firefighter: _____

Notes:

Dept: _____

School: _____

Test Site: _____

Evaluator: _____

If the firefighter:

(No Partial points given)

Securing the Ladder Tip:

- | | | | |
|------|--|------------|--------------|
| a. | Checks proper climbing angle | 1.0 | _____ |
| * b. | Secures body to ladder utilizing the proper leg lock method | P/F | _____ |
| c. | Secures the rope or hose rope tool to the tip of the ladder | 1.0 | _____ |
| d. | Secures the rope or hose rope tool to an immovable object | 1.0 | _____ |
| * e. | Ties appropriate knot on ladder such that when ladder is vibrated, the knot does not loosen or allow the ladder to pull more than approximately six (6) inches from the immovable structure | P/F | _____ |
| f. | Completes the skill in the allotted time | 1.0 | _____ |

OR

Securing the Ladder Base:

- | | | | |
|------|--|------------|--------------|
| a. | Checks proper climbing angle | 1.0 | _____ |
| b. | Secures the rope or hose rope tool to the base of the ladder | 1.0 | _____ |
| c. | Secures the rope or hose rope tool to an immovable object | 1.0 | _____ |
| * d. | Ties appropriate knot on ladder such that when ladder is vibrated, the knot does not loosen or allow the ladder to pull more than approximately six (6) inches from the immovable structure | P/F | _____ |
| e. | Completes the skill in the allotted time | 1.0 | _____ |

Allotted time for this skill: 4 minutes Time _____ Minutes _____ Seconds

Total points possible: 4

Total points needed to pass: 3

Total points scored by this Firefighter: _____

All mandatory steps successfully passed: Yes: _____ No: _____

Performance rating of firefighter on this standard: PASS _____ FAIL _____

Circle one: First Attempt Retest

* **Denotes mandatory passage of this step**