

# **CHANHASSEN FIRE DEPARTMENT FIREFIGHTER SKILLS**



## **PRACTICAL STATIONS**

**FIRE HOSE, APPLIANCES, AND FIRE STREAMS**

**Practical Station One**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

Candidate must demonstrate competency in two of the following seven options:

**Option #1: Demonstrate 2 different hose rolls:**  
**NFPA 1001 (1997) 3-3.7(a), 3-3.9(b))**

The candidate, given a length of fire service hose will demonstrate hose rolls as directed.

| <u>Basic Hose Roll-straight roll</u>          | <u>Deduction Pts</u>     |
|---|--------------------------|
| Lay out the hose (do not bang/drop couplings) | 5 _____                  |
| Position yourself for rolling                 | 2 _____                  |
| Begin the roll                                | 2 _____                  |
| Complete the roll                             | 2 _____                  |
| Reposition the roll                           | 2 _____                  |
| Align protruding coils                        | 4 _____                  |
| Check the female coupling for a gasket        | 4 _____                  |
| Check condition of coupling threads           | 4 _____                  |
|   | (25) _____               |
| <u>One Person Doughnut Roll</u>               |                          |
| Lay out the hose (do not bang/drop couplings) | 5 _____                  |
| Fold the coupling for protection              | 2 _____                  |
| Form a bight                                  | 2 _____                  |
| Position yourself for rolling                 | 2 _____                  |
| Roll the hose                                 | 2 _____                  |
| Complete the roll                             | 2 _____                  |
| Reposition the roll                           | 2 _____                  |
| Check the female coupling for a gasket        | 4 _____                  |
| Check the condition of coupling threads       | 4 _____                  |
|   | (25) _____               |
|   | <b>Deductions:</b> _____ |
|   | <b>SCORE (50):</b> _____ |



**Option #2: DEMONSTRATE FIRE SERVICE HOSE ADVANCES**

**NFPA 1001 (1997) 3-3.7(a), 3-3.9(b)**

The candidate, operating as a member of a team, wearing full personal protective equipment including SCBA, given an attack line, and a ladder if needed, will advance: 1.) a charged 1 1/2 or 1 3/4 inch line into a structure or, 2.) a charged 2 1/2 inch line into a structure or, 3.) a charged 1 1/2 inch line up a ladder to a second floor landing or, 4.) a charged 2 1/2 inch line up an inside stairway to a second floor landing or, 5.) an uncharged 2 1/2 inch line up an outside stairway to a second floor level or, 6.) a charged 2 1/2 inch line down an inside or outside stairway to a lower floor level, in such a manner that team integrity is maintained, the attack line is deployed, the hose line is properly advanced and the assignment is completed. All actions will be carried out in a safe and controlled manner. The examinee will demonstrate one of these competencies.

**Advancing a charged hoseline into a structure [NFPA 1001 3-3.7(a), 3-3.9(b)]**

- Full personal protective equipment including SCBA .. ... .. FAIL \_\_\_\_\_
- Check and secure door before entering..... 10 \_\_\_\_\_
- Low body-positioning ..... 10 \_\_\_\_\_
- Safe spacing of personnel on the same side of the fire hose . ..... 10 \_\_\_\_\_
- Probes the floor with tool to assess stability .... FAIL \_\_\_\_\_
- Crew communications ..... 10 \_\_\_\_\_
- Cool ceiling with hose stream while advancing ..... 10 \_\_\_\_\_
- (50) \_\_\_\_\_

**Advancing an uncharged hose up a ladder into a window [NFPA 1001 3-3.7(a), 3-3.9(b)]**

- Fire fighters climb ladder approximately 10' apart..... 10 \_\_\_\_\_
- Hose looped over common shoulder ..... 10 \_\_\_\_\_
- Nozzle oriented to the back of the lead firefighter ..... 10 \_\_\_\_\_
- 20'/25' feet of hose between Firefighters..... 10 \_\_\_\_\_
- Bottom person feeds hose ... ..... 10 \_\_\_\_\_
- (50) \_\_\_\_\_

**Working from a ladder with a hose line [NFPA 1001 3-3.7(a), 3-3.9(b)]**

- Firefighter secures ladder ..... FAIL \_\_\_\_\_
- Hose placed through rung.... 10 \_\_\_\_\_
- Hose tied off / use of hose strap.... FAIL \_\_\_\_\_
- Slack secured . ..... 10 \_\_\_\_\_
- Nozzle opened when secure. .... 10 \_\_\_\_\_
- Stream directed at designated target ..... 10 \_\_\_\_\_
- Firefighter secured to ladder ..... 10 \_\_\_\_\_
- (50) \_\_\_\_\_

**Deductions:** \_\_\_\_\_



**Option #3: FIRE SERVICE HOSE LOADS**  
**NFPA 1001 (1997) 3-3.7(a) 3-3.9(b)**

**The candidate, given several fifty- foot lengths of fire service hose and a fire service engine/pumper will demonstrate fire service hose loads. The examine will demonstrate one of these competencies**

**Demonstrate a flat lay hosebed load (NFPA 1001 3.3)(1997):**

|  |             |              |
|--|-------------|--------------|
| <b>Inspect the hose couplings for gasket and thread damage</b>   | <b>5</b>    | <b>_____</b> |
| <b>Position yourself for loading</b>   | <b>5</b>    | <b>_____</b> |
| <b>Start the hose load</b>   | <b>5</b>    | <b>_____</b> |
| <b>Place coupling in the hose bed</b>  | <b>5</b>    | <b>_____</b> |
| <b>Lay the fire service hose in the hose bed</b>   | <b>5</b>    | <b>_____</b> |
| <b>Make folds (loops) in the fire service hose</b>   | <b>5</b>    | <b>_____</b> |
| <b>Stagger couplings in the hose bed to allow for easy removal of the fire service hose</b>            | <b>5</b>    | <b>_____</b> |
| <b>Use a “dutchman” (a short fold or reverse bend) to position couplings for proper exit/unloading</b> | <b>5</b>    | <b>_____</b> |
| <b>Start second or subsequent tier</b>   | <b>5</b>    | <b>_____</b> |
| <b>Stagger the folds of each tier</b>  | <b>5</b>    | <b>_____</b> |
|  | <b>(50)</b> | <b>_____</b> |



**Option #4: FIRE SERVICE HOSE COUPLINGS, CARRYING, AND DRAINING**  
NFPA 1001 (1997) 3-3.7(a) 3-3.9(B)

The candidate, given two lengths of 1 1/2 or 1 3/4 fire service hose will:

1.) demonstrate proper coupling and uncoupling of sections of fire service hose or 2.) demonstrate proper methods for adding an additional section of fire service hose or 3.) demonstrate a single section carry of 1 1/2 or 1 3/4 fire service hose or, 4.) demonstrate proper methods for replacing a burst section of fire service hose or, 5.) demonstrate a single section drain and carry of a 1 1/2 or 1 3/4 section of fire service hose, or 6.) demonstrate carrying 100ft of 1 1/2 or 1 3/4 fire service hose into a building, connect it to a standpipe, advance and extend the fire service hose for use with a 1 1/2 inch adjustable nozzle. The examinee will demonstrate two of the following competencies.

A.) Demonstrate proper coupling and uncoupling of two lengths of 1 1/2 or 1 3/4 fire service hose using the foot tilt method to couple hose and the knee press method to uncouple:

|   |   |       |
|---|---|-------|
| Position the fire service hose                      | 2 | _____ |
| Position yourself and step on the fire service hose | 2 | _____ |
| Inspect the couplings for gasket and thread damage  | 5 | _____ |
| Set the threads: align Higbee cut and indicator     | 2 | _____ |
| Connect the couplings                               | 2 | _____ |
| Grasp the fire service hose                         | 2 | _____ |
| Position (stand) the coupling                       | 2 | _____ |
| Bend the fire service hose                          | 2 | _____ |
| Position yourself properly and apply pressure       | 2 | _____ |
| Disconnect the couplings                            | 2 | _____ |
| Lay down couplings without dropping                 | 2 | _____ |

(25) \_\_\_\_\_

OR

(B) Demonstrate the proper coupling and uncoupling of two lengths of 1 1/2 or 1 3/4 fire service hose using the over the hip method to couple the hose and the stiff arm method to uncouple the hose:

|   |   |       |
|---|---|-------|
| Position the fire service hose                            | 2 | _____ |
| Inspect the couplings                                     | 5 | _____ |
| Position the female coupling for gasket and thread damage | 3 | _____ |
| Set the threads: align Higbee cut and indicator           | 2 | _____ |
| Connect couplings   | 2 | _____ |
| Position yourself properly and grasp the couplings        | 2 | _____ |
| Compress the gasket in the couplings                      | 5 | _____ |
| Disconnect the couplings                                  | 2 | _____ |
| Lay down the couplings without dropping                   | 2 | _____ |

(25) \_\_\_\_\_

OR

**(C) Demonstrate a single section drain and carry of a 1 1/2 line 50ft in length:**

|                                 |   |       |
|---------------------------------|---|-------|
| Position the hose               | 3 | _____ |
| Position yourself               | 2 | _____ |
| Pick up the hose                | 2 | _____ |
| Loop the hose over one shoulder | 3 | _____ |
| Walk forward                    | 2 | _____ |
| Continue walking forward        | 2 | _____ |
| Adjust the load as necessary    | 3 | _____ |
| Carry the hose                  | 5 | _____ |
| Lay the hose down               | 3 | _____ |

OR

**(25)** \_\_\_\_\_

**(D) Demonstrate carrying 100ft of 1 1/2 line into a building, connect to a standpipe, advance and extend the line for use with a 1 1/2 adjustable nozzle:**

|  |    |       |
|--|----|-------|
| Carry hose into structure  | 10 | _____ |
| Detach the building hoseline from the standpipe or remove the cap from the fire department connection. | 5  | _____ |
| Inspect the standpipe  | 5  | _____ |
| Connect the fire department hose   | 5  | _____ |
| Advance the hose   | 5  | _____ |

**(25)** \_\_\_\_\_

**Deductions:** \_\_\_\_\_



**Option #5: HYDRANT CONNECTION**  
**NFPA 1001 (1997) 3-3.14(a)(b)**

The candidate, acting as a member of a team, given six fifty-foot sections of 2 1/2 or 3 inch fire service hose, fire service hose tools, and a hydrant, will connect a fire department engine/pumper to a hydrant in such a manner that connections are tight (no leaks) and water flow is unobstructed. All actions will be done in a safe and controlled manner.

**(A) Demonstrate laying 2 1/2 inch fire service hose from an engine/ pumper to a hydrant and complete all connections, leak free:**

|  |             |       |
|--|-------------|-------|
| Direct the spotting of the engine/pumper                     | 5           | _____ |
| Close booster tank valve                                     | 5           | _____ |
| Remove pump intake cap                                       | 5           | _____ |
| Connect intake hose to engine/pumper intake                  | 5           | _____ |
| Stretch intake hose to hydrant                               | 5           | _____ |
| Remove hydrant cap   | 5           | _____ |
| Inspect and flush hydrant                                    | 5           | _____ |
| Connect hose to hydrant (check fire service hose for gasket) | 5           | _____ |
| Open hydrant fully   | 5           | _____ |
| Tighten any leaking connection                               | 5           | _____ |
|  | <b>(50)</b> | _____ |

**OR**

**Option #6: DRAFTING FROM A STATIC SOURCE NFPA 1001 (1997) 3-3.14(a)(b)**

The candidate, acting as a member of a team, 10' of appropriate hard suction sleeve, fire service hose tools, and a static water source, will connect a fire department engine/pumper to a the water source in such a manner that the connections are tight and water flow is unobstructed. All actions will be done in a safe and controlled manner.

|  |             |       |
|--|-------------|-------|
| Direct the spotting of an engine/pumper      | 5           | _____ |
| Close drains and valves                      | 10          | _____ |
| Remove intake cap                            | 5           | _____ |
| Check hard suction sleeve for gasket         | 10          | _____ |
| Connect hard suction sleeve to engine/pumper | 5           | _____ |
| Open intake valve                            | 10          | _____ |
| Attach strainer                              | 5           | _____ |
|  | <b>(50)</b> | _____ |

**OR**

**Option #7: ESTABLISHMENT OF A FIRE STREAM NFPA 1001 (1997) 3-3.7(a)(b), 3-3.9(b)**

The candidate, wearing full personal protective equipment, given a fire service attack line and fire service hose tools will demonstrate: attaching a 2 1/2 or 3 inch fire service hose line, attach a gated wye to the 2 1/2 or 3 inch fire service hose line, attach a 1 1/2 or 1 3/4 fire service hose line to the gated wye, attach a 1 1/2 adjustable nozzle to the fire service hose line, open hydrant safely and properly, and charge the entire hose line properly. Then advance the charged line to a point indicated and demonstrate how to open, close and adjust stream pattern and flow as directed:

|   |      |       |
|---|------|-------|
| Inspect and flush hydrant                                       | 3    | _____ |
| Attach a length of 2 1/2 or 3 inch fire service hose to hydrant | 3    | _____ |
| Attach a gated wye to the 2 1/2 or 3 inch hose line             | 3    | _____ |
| Attach a length of 1 1/2 or 1 3/4 inch hose to the gated wye    | 3    | _____ |
| If nozzle charged when open                                     | FAIL | _____ |
| Charge the hose lines, operating valves to prevent water hammer | 3    | _____ |
| Advance the hose line to an established point                   | 3    | _____ |
| Open and demonstrate: 30 degree fog pattern                     | 3    | _____ |
| 60 degree fog pattern   | 3    | _____ |
| Straight stream   | 3    | _____ |
| Move hose line to the right and left of beginning position      | 3    | _____ |
| Move discharge line to the left                                 | 3    | _____ |
| Retreat 10 feet with charged hose line                          | 3    | _____ |
| Shut down the nozzle  | 3    | _____ |
| Disconnect all connections                                      | 3    | _____ |
| Drain fire service hose lines                                   | 3    | _____ |
| Drain hydrant and cap hydrant                                   | 3    | _____ |
| Cap hydrant   | 2    | _____ |
|   | (50) | _____ |

**Deductions:** \_\_\_\_\_



**LADDERS, CARRIERS, RAISES**

**Practical Station Two**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_

NFPA 1001 3-3.5(a)(b), 3-3.11(b), 3-5.3(a)(b) (1997), CFD SOG 9.6

The candidate, wearing personal protective equipment, operating as a member of a team, and given a fire service ladder will demonstrate the proper method of carrying, raising and lowering the ladder. The candidate will further demonstrate proper technique in working off a ladder by: 1.) using rope to raise tools, or 2.) climbing and descending ladder with tools, or 3.) assisting a conscious or unconscious victim down the ladder or 4.) properly setting a roof ladder. All actions shall be carried out in a safe and controlled manner.

**Carry and Raise Ladder**

**Deduction Pts**

|   |      |       |
|---|------|-------|
| Wears personal protective equipment                       | FAIL | _____ |
| Carries ladder butt forward                               | 5    | _____ |
| Lift ladder in a coordinated manner (flat or beam raise)  | 5    | _____ |
| "Lift with legs" (was back vertical)                      | 5    | _____ |
| Set butt in proper spot (secure top and bottom of ladder) | 5    | _____ |
| Did "raiser" keep watch overhead for obstructions         | FAIL | _____ |
| Check for secure footing for ladder                       | 5    | _____ |
| Keep hands and feet from between rungs during extension   | 5    | _____ |
| Extend ladder so that 5 rungs extended above roofline     | FAIL | _____ |
| Check for proper climbing angle                           | 5    | _____ |

**Climbing and Working From Ladder**

|  |      |       |
|--|------|-------|
| Tie halyard properly   | 5    | _____ |
| Check that ladder was properly butted (ladder or spanner belt)   | 5    | _____ |
| Keep back vertical   | 5    | _____ |
| Keep one hand for tool and one hand for self-control   | 5    | _____ |
| Climb rung to rung (slide hand on beam)  | 5    | _____ |
| Check pawl locks on way up   | 5    | _____ |
| Set Roof Ladder  | 5    | _____ |
| Check roof footing before stepping onto roof   | FAIL | _____ |
| Secure self to ladder (when working off ladder   | 5    | _____ |
| Given proper rope tie approved knot and hoist selected tool or appliance to a height of at least 12ft. | 5    | _____ |

**Lower Ladder**

|  |       |       |
|--|-------|-------|
| Lower in the beam or flat position                                   | 5     | _____ |
| Keep hands and feet from between rungs during retracting fly section | 5     | _____ |
| Watch for overhead obstacles while lowering ladders                  | FAIL  | _____ |
| Butt ladder properly   | 5     | _____ |
| Tie halyard off  | 5     | _____ |
|  | (100) | _____ |

Deductions: \_\_\_\_\_

**SCBA AND SEARCH AND RESCUE**

**Practical Station Three**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**NFPA 1001 3-1.1.2, 3-3.1(a)(b), 3-5.3(a)(b), 3-2.3(a)(b), 3-3.4(a)(b), 3-3.8(a)(b) (1997)  
CFD SOG 4.1**

The candidate given appropriate tools and personal protective equipment including SCBA, will: 1.) demonstrate the correct inspection and maintenance procedures in such manner that the SCBA is checked for defects and wear, problems are documented and the unit is placed in service; 2.) demonstrate the correct procedure for donning the PPE and the SCBA in such a manner that the PPE is donned in sixty seconds or less and the SCBA is donned in sixty seconds or less so that all equipment is put on correctly and securely, SCBA is in service and the firefighter is "on air", 3.) operating as a member of a team, demonstrate the ability to perform a systematic search in a hostile environment in such manner that a victim is located and removed, 4.) demonstrate proper techniques to use when trapped or disoriented in a hostile environment, 5.) demonstrate the safe procedure to refill SCBA air cylinder and replace it in its harness. All actions shall be carried out in a safe and controlled manner.

**Pre-Use Checklist – Did the examinee per manufacturers recommendations:**

|  |   |       |
|--|---|-------|
| Check pants, coat, boots, gloves, and helmets, for damage and wear.                              | 2 | _____ |
| Put on protective clothing checking to make sure that all parts of the firefighter are protected | 2 | _____ |

**Check SCBA for damage and wear (Use with all options)**

|  |      |       |
|--|------|-------|
| Extend all straps before donning         | 2    | _____ |
| Check for full tank gauge reading "full" | FAIL | _____ |

**Donning – Did the examinee per manufacturers recommendations:**

|  |      |       |
|--|------|-------|
| Turn on tank valve or main valve as necessary        | 4    | _____ |
| Compare tank gauge with regulator gauge              | 4    | _____ |
| Acceptable procedure for donning backpack,           | 4    | _____ |
| Fasten all harness straps properly                   | 2    | _____ |
| Extend the coat collar free of straps                | 4    | _____ |
| Don facepiece, pull spider straps back, not sideways | 4    | _____ |
| Check facepiece seal (pressure test)                 | FAIL | _____ |
| Complete donning within 60 seconds                   | 5    | _____ |

**Did the examinee as instructed:**

|  |      |       |
|--|------|-------|
| Turned off appropriate utilities before entering the room          | 3    | _____ |
| Attempt to maintain orientation through wall, hoseline or lifeline | 3    | _____ |
| Search systematically  | FAIL | _____ |
| Control breathing to maximize air capacity                         | 3    | _____ |
| Communicate appropriately  | 4    | _____ |
| Demonstrate carry-drag   | 3    | _____ |
| Maintain orientation during rescue                                 | FAIL | _____ |
| Remain in hand-knee position during search                         | 3    | _____ |
| When disoriented, go directly to wall or hose line                 | 3    | _____ |
| Demonstrate procedures to use in event of SCBA failure             | 3    | _____ |

|  |
|--|
|  |
|--|

**Disoriented:**

|   |   |       |
|---|---|-------|
| Remain Calm                                       | 5 | _____ |
| Find hose line                                    | 2 | _____ |
| Determine coupling direction (male point to fire) | 2 | _____ |
| Keep low  | 2 | _____ |
| Make radio contact                                | 5 | _____ |
| Make noise (shout, bang on something)             | 2 | _____ |
| Move toward the sound of the trucks, etc.         | 2 | _____ |
| Activate Pass Device                              | 5 | _____ |

**After Exit – (Use with all options) Did the examinee:**

|   |   |       |
|---|---|-------|
| Loosen all straps before removing facepiece and harness | 4 | _____ |
| Close tank valve  | 4 | _____ |
| Get SCBA in a place safe from dirt and damage           | 4 | _____ |
| Bleed or breathe off excess pressure                    | 1 | _____ |

**Cleaning - Did the examinee:**

|   |    |       |
|---|----|-------|
| Remove gross particles and soap before sanitizing | 4  | _____ |
| Clean small concealed spaces                      | 4  | _____ |
| Inspect for damage during cleaning                | 10 | _____ |
| Recharge and/or replace cylinder                  | 4  | _____ |
| Rinse facepiece                                   | 4  | _____ |
| Arrange for drying                                | 4  | _____ |

**Deductions:** \_\_\_\_\_

**EXTRA:**

**Have candidate use buddy breather connection with another air pack.**

**FORCIBLE ENTRY, VENTILATION, AND SAFETY    Practical Station **Four****

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**CFD SOG 9.5**

**(Must do two options)**

**OPTION #1: FORCIBLE ENTRY: DOOR, WINDOW, OR WALL**  
**NFPA 1001 3-3.3(a)(b) (1997)**

The candidate, given forcible entry tools will perform a forcible entry in such manner that the barrier is removed and the opening is in a safe condition and ready for entry. All actions will be carried out in a safe and controlled manner.

|   |      |       |
|---|------|-------|
| Tried door or window before forcing   | 5    | _____ |
| Proper protective clothing  | 10   | _____ |
| Lowered eye protection  | FAIL | _____ |
| Used appropriate tools (Saw for metal wall, Ram for block wall)                               | 5    | _____ |
| Carried tools safely (Halligan Tool) (Pick-Head Axe)  | 10   | _____ |
| Force door properly<br>(Remove hinge pins on outward opening, pry and slip on inward opening) | 5    | _____ |
| Observed safety precautions   | 5    | _____ |
| Used method that caused the least amount of property damage                                   | 10   | _____ |
|   | (50) | _____ |

**OPTION #2: FORCIBLE ENTRY ROOF**  
**NFPA 1001 3-3.11(a)(b)**

The candidate, operating as a member of a team and wearing personal protective equipment including SCBA and given tools and ground and roof ladders, will perform vertical ventilation on a pitched roof structure. Ventilation will be performed in such a manner that the ladders are properly positioned for ventilation, a sufficient opening is created, all ventilation barriers are removed, structure integrity is not compromised, products of combustion are released, and the team successfully retreats from the area. All actions will be carried out in a safe and controlled manner.

|   |      |       |
|---|------|-------|
| Proper Personal Protective Equipment                | FAIL | _____ |
| Check footing before and while moving onto the roof | FAIL | _____ |
| Sound out roof rafters                              | 6    | _____ |
| Remove shingles and tarpaper before cutting         | 6    | _____ |
| Proper foot placement when chopping                 | 6    | _____ |
| Maintain control of axe or chainsaw safely          | 10   | _____ |
| Make all cuts before removing boards                | 6    | _____ |
| Push down ceiling before the hold                   | 6    | _____ |
| Cut structural members                              | 10   | _____ |
|   | (50) | _____ |



**OPTION #3: POSITIVE PRESSURE VENTILATION**  
**NFPA 1001 3-3.10, 3-3.11(a)(b) (1997)**

The candidate, operating as a member of a team and wearing personal protective equipment and given a power ventilator, will properly place the device and direct the creation of proper openings in order to clear the structure of smoke and other combustion products. All actions will be carried out in a safe and controlled manner.

|   |      |       |
|---|------|-------|
| Assessed the structure/chose appropriate openings | 20   | _____ |
| Placed blowers/ejectors properly                  | 10   | _____ |
| Placed charged hose line(s) appropriately         | 10   | _____ |
| Maintain ventilation path                         | 10   | _____ |
|   | (50) | _____ |

**Option 4: Hydraulic Ventilation**  
**NFPA 1001 3-3.10(a) (1997)**

The candidate, operating as a member of a team and wearing personal protective equipment and given an attack line and an open window, will properly direct the stream in such a manner as to remove smoke and combustion products from the room. All actions will be carried out in a safe and controlled manner.

|  |      |       |
|--|------|-------|
| Ensured window opening was completely open                     | 5    | _____ |
| Ensured water spray would not injure others or damage property | 10   | _____ |
| Positioned self 3 to 8 feet from window on floor               | 5    | _____ |
| Directed stream out window                                     | 5    | _____ |
| Adjusted pattern to fill window                                | 5    | _____ |
| Monitored air flow into room (Watch for "Pulling Fire")        | 10   | _____ |
| Opened and closed nozzle slowly                                | 10   | _____ |
|  | (50) | _____ |

**ROPES & KNOTS**

**Practical Station Eight**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**NFPA 3-1.1.1, 3-1.1.2, 3-5.3, 3-5.3(a)(b) (1997)**

The candidate will identify specified knots, the use of each knot, correctly tie knot (with gloves), inspect, maintain and store rope, and hoist fire service tools and appliances, given a 20' foot length of 1/2 inch rope, so that the knot is identified, tied within 10 seconds, maintenance, inspection, and storage of rope is demonstrated and the tools or appliances are hoisted safely and the assignment is completed.

**Tying specified knots, dressed, and with a safety [NFPA 3-1.1.1, 3-1.1.2 (1997)]**

- **Wears Personal Protective Equipment** **FAIL** \_\_\_\_\_
- **Figure 8 on a bight** ... .. **10** \_\_\_\_\_
- **Double Figure 8 on a bight.** ... .. **5** \_\_\_\_\_
- **Clove hitch** ..... **5** \_\_\_\_\_
- **Half hitch** ..... **5** \_\_\_\_\_
- **Single becket- sheet bend** .... **5** \_\_\_\_\_
- **Over hand safety** ... .. **10** \_\_\_\_\_

**Tie each tool to be hoisted [NFPA 1001 3-1.1.1, 3-1.1.2 (1997)]**

- **Tie and hoist a roof ladder with the proper knot** ..... **10** \_\_\_\_\_
- **Tie and hoist a charged hoseline with the proper knots & hitches** **10** \_\_\_\_\_
- **Tie and hoist a pike pole (pike end up) with proper knots/hitches** **10** \_\_\_\_\_
- **Tie and hoist a pick head axe with the proper knots & hitches** **10** \_\_\_\_\_
- **Tie and hoist a halligan tools with the proper knots & hitches** **10** \_\_\_\_\_
- **Demonstrate inspection, maintenance, and storage of a rope** **10** \_\_\_\_\_
- (100)** \_\_\_\_\_

**Deductions:** \_\_\_\_\_

**VEHICLE EXTRICATION**

**Practical Station Nine**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**NFPA 1001 4-2.2, 4-2.2(a)(b), 4-4.1, 4-4.1(a)(b) (1997), CFD SOG 8.4.2**

The candidate, acting as a member of a team will extricate a simulated patient from a vehicle, given an assignment, PPE, and rescue tools, so that safety and team integrity are maintained, scene size up is performed, the vehicle is stabilized, hazards are recognized and controlled, coordination with emergency medical personnel is maintained, the patient is disentangled from the vehicle, and removed from the vehicle in a timely manner.

**Communications [NFPA 1001 4-2.2, 4-2.2(a), 4-2.2(b) 1997]**

- **Communicates to all levels of IMS. ....** \_\_\_\_\_ **5**
- **Uses communications equipment properly .....** \_\_\_\_\_ **5**
- **Follows proper radio communications procedures.....** \_\_\_\_\_ **5**

**Size-up procedures [NFPA 1001 4-4.1, 4-4.1(a), 4-4.1(b) (1997)]**

- **Safely approaches the vehicle.....** \_\_\_\_\_ **10**
- **Uses inner-outer circle to evaluate the scene .....** \_\_\_\_\_ **5**
- **Identifies hazards and controls them (includes body substance isolation) .....** \_\_\_\_\_ **FAIL**
- **Implements and communicates action plan.....** \_\_\_\_\_ **5**

**Stabilization procedures [NFPA 1001 4-4.1, 4-4.1(a), 4-4.1(b) (1997)]**

- **Stabilizes vehicle(s) before gaining access to patient .....** \_\_\_\_\_ **FAIL**
- **Checks vehicle stabilization periodically .....** \_\_\_\_\_ **5**

**Gaining access [NFPA 1001 4-4.1, 4-4.1(a), 4-4.1(b) (1997)]**

- **Entry made to evaluate the patient(s).....** \_\_\_\_\_ **5**
- **Entry accomplished safely for patient and rescuer.....** \_\_\_\_\_ **10**

**Disentanglement procedures [NFPA 1001 4-4.1, 4-4.1(a), 4-4.1(b)(1997)]**

- **Properly used tools to disentangle patient.....** \_\_\_\_\_ **5**
- **Properly used support equipment to facilitate disentanglement .....** \_\_\_\_\_ **5**
- **Accomplished disentanglement without causing further injury .....** \_\_\_\_\_ **5**
- **Accomplished disentanglement safely .....** \_\_\_\_\_ **5**

**Extrication path [NFPA 1001 4-4.1, 4-4.1(a), 4-4.1(b) (1997)]**

- **Communicates effectively with EMS providers.....** \_\_\_\_\_ **5**
- **Works as a team/does not interfere with the EMS personnel .....** \_\_\_\_\_ **5**

**Patient removal [NFPA 1001 4-4.1, 4-4.1(a), 4-4.1(b) (1997)]**

- **Removes patient properly without causing further injury .....** \_\_\_\_\_ **5**
- **Accomplishes patient removal safely .....** \_\_\_\_\_ **5**
- **Reevaluates plan and changes it accordingly ... ..** \_\_\_\_\_ **5**

**Deductions:** \_\_\_\_\_

**STANDPIPE OPERATIONS**

**Practical Station Ten**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_

NFPA 1001 3-3.7 (a)

The candidate shall set up a hoseline using a standpipe as the water source. The candidate must demonstrate the proper techniques for the usage of handline hooked up to a standpipe system.

**SET UP**

- Properly identify fire department connection location. .... 5
- Properly hook up to the FDC. .... FAIL
- Access the stair tower in the building. .... 5
- Locate the standpipe to be used. .... 10
- Properly set up the hose for the standpipe operation. .... 10
- Properly charge the hose line. .... 10
- Secure the Elevator if needed. .... 10
- Bring ALL tools needed for the operation. .... FAIL

**OPERATIONS**

- Properly enter the fire floor from the stair tower. .... 10
- Properly communicate the procedure for back-up lines. .... 10
- Enter the fire floors in a safe manner. .... FAIL
- Communicate that the fire is "under control". .... 10
- Maintains communication with the ICS system. .... FAIL

**TEAR DOWN**

- Properly take down the standpipe operation. .... 5
- Properly take down the FDC. .... 5
- Properly repack the Apartment bundles. .... 10

Deductions: \_\_\_\_\_



**RAPID INTERVENTION TEAM (RIT)**

**Practical Station Eleven**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_

NFPA 1001 4-4.2  
CFD SOG 8.2.6

The candidate shall lead a Rapid Intervention Team (RIT) in the search and rescue of a downed firefighter. The candidate shall use the proper tools to ensure a rapid and safe extrication.

The candidate, acting as a member of a team, will assist a technical rescue team, given procedures, rescue equipment and an assignment, so that proper tools are recognized, retrieved and the assignment completed.

**Communications**

- Communicates with all levels of IMS..... \_\_\_\_\_ 5
- Properly uses given communications equipment..... \_\_\_\_\_ 5
- Maintains Accountability ..... \_\_\_\_\_ FAIL

**Rescue Equipment**

- Retrieves the correct equipment per assignment/scenario ..... \_\_\_\_\_ 5
- Stages all equipment in the correct place..... \_\_\_\_\_ 5
- Tests all equipment retrieved for readiness ..... \_\_\_\_\_ 5

**Assignment**

- Area is set up for assignment/scenario ..... \_\_\_\_\_ 5
- Area set up safely for assignment/scenario ..... \_\_\_\_\_ 5
- Uses all tools correctly and safely ..... \_\_\_\_\_ 5
- Properly uses all required PPE ..... \_\_\_\_\_ 10
- Locates downed firefighter ..... \_\_\_\_\_ 20
- Safely removes the firefighter from the structure ..... \_\_\_\_\_ 15

**Termination of the assignment**

- Communicates outcomes to IC..... \_\_\_\_\_ 5
- Places all equipment back in services ..... \_\_\_\_\_ 5
- Identifies any equipment that should be taken out of service..... \_\_\_\_\_ 5

Deductions: \_\_\_\_\_

**RESCUE OF VICTIMS**

**Practical Station Twelve**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_  
**NFPA 1001 4-4.2**

The candidate shall demonstrate the various types of rescue techniques for the removal of victims from a structure.

**Single Firefighter**

**Rescue from structure**

- Use of all PPE..... \_\_\_\_\_ **FAIL**
- Demonstrates a proper use of the extremities drag of victim. .... \_\_\_\_\_ **10**
- Demonstrates a proper use of an incline drag. .... \_\_\_\_\_ **10**
- Does not cause further injury to victim. .... \_\_\_\_\_ **FAIL**
- Brings the victim to a safe location. .... \_\_\_\_\_ **10**

**Rescue from a Ladder**

- Use of all PPE..... \_\_\_\_\_ **FAIL**
- Locates victim ..... \_\_\_\_\_ **10**
- Demonstrates the removal of a conscious victim. .... \_\_\_\_\_ **10**
- Demonstrates the proper removal of an unconscious victim. .... \_\_\_\_\_ **10**
- Does not cause further injury to victim. .... \_\_\_\_\_ **FAIL**
- Brings the victim to a safe location. .... \_\_\_\_\_ **10**

**Two Firefighters**

- Use of all PPE..... \_\_\_\_\_ **FAIL**
- Demonstrate a proper two- firefighter carry- extremities lift..... \_\_\_\_\_ **10**
- Demonstrate a proper two- firefighter carry- chair lift..... \_\_\_\_\_ **10**
- Does not cause further injury to victim. .... \_\_\_\_\_ **FAIL**
- Brings the victim to a safe location. .... \_\_\_\_\_ **10**

**Deductions:** \_\_\_\_\_

**AERIAL LADDER OPERATIONS**

**Practical Station Thirteen**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_  
NFPA 1002, Standard for Fire Department Driver/ Operator Professional Qualifications  
(1993).

The objective of this test is to check the Aerial operators knowledge of the apparatus they are operating and demonstrate safe operations of the Aerial. Also, show proper tactical considerations for the use of the apparatus.

Candidate shall;

- Verbalize the departments SOG's for the ladder operation.  
(Belts and person on platform)..... \_\_\_\_\_ 5
- Verbalize safety considerations. (Power lines and Working surface) \_\_\_\_\_ FAIL
- Properly chalk both front wheels ..... \_\_\_\_\_ FAIL
- Properly start apparatus. .... \_\_\_\_\_ 5
- Properly engage PTO and Ladder Power. .... \_\_\_\_\_ 5
- Properly affix metal plates to the outriggers. .... \_\_\_\_\_ FAIL
- Properly deploy outriggers. .... \_\_\_\_\_ FAIL
- Properly raise apparatus. .... \_\_\_\_\_ 5
- Properly install safety pins. .... \_\_\_\_\_ FAIL

***On Platform***

- Verbalize Max. Capacity of bucket. .... \_\_\_\_\_ 5
- Explain the load and reach chart. .... \_\_\_\_\_ 5
- Verbalize optimum stability. (Front and Rear of apparatus). .... \_\_\_\_\_ 5
- Explain ALL emergency controls for the Aerial. .... \_\_\_\_\_ 10
- Explain ALL components on the operators council on the platform. .... \_\_\_\_\_ 5
- Properly engage the air system. .... \_\_\_\_\_ 5
- Explain intercom system on apparatus. .... \_\_\_\_\_ 5

***In Bucket***

- Explain all electrical components and how they work. .... \_\_\_\_\_ 5
- Explain how to use all water discharges from bucket. .... \_\_\_\_\_ 5
- Properly connect to air in the bucket. .... \_\_\_\_\_ 5
- Properly operate the Aerial from the bucket.  
Instructor will choose maneuvers. .... \_\_\_\_\_ FAIL
- Operate simultaneous movements of Aerial. .... \_\_\_\_\_ 5
- Demonstrate proper techniques for approaching buildings. .... \_\_\_\_\_ 5
- Demonstrate how to exit and enter the bucket. .... \_\_\_\_\_ 5
- Properly re-seat the Aerial. .... \_\_\_\_\_ 5
- Properly shut down the aerial. .... \_\_\_\_\_ 5

**Deductions** \_\_\_\_\_

**MASTER STREAMS**

**Practical Station Fourteen**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_  
NFPA 1001 4-4.2

The objective of this test is to check the Firefighters skills on setting up master streams. The Firefighter must safely complete all tasks.

- Remove master stream from top of truck. .... 10
- Remove master stream base from truck. .... 10
- Assemble nozzle to base. .... 10
- Demonstrate use of the following hose sizes: 2 – 2 1/2", 1 – 4", 1 – 5". 10
- Demonstrate proper anchoring. .... FAIL
- Demonstrate use of fog nozzle. .... 5
- Demonstrate use of stacked tips. .... 5
- Verbalize minimum angle of nozzle. .... 5
- Demonstrate operation of master stream. .... 5
- Demonstrate use of extension pipe on top of truck. .... 5
- Demonstrate use of nozzle below pre-set elevation angle. .... 10
- Verbalize number of firefighters required to use master stream. ... 10
- Demonstrate proper re-installation of master stream to top of truck. 10

**Deductions** \_\_\_\_\_

**SPRINKLER SYSTEMS & FIRE ALARMS**

**Practical Station Fifteen**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_

NFPA 1001 3-3.13(a) 4-5.1  
CFD SOG 8.3.2, 8.3.4, 8.3.6

The objective of this test is to check the firefighters ability to properly operate fire alarms and sprinkler valves.

**SPRINKLER SYSTEMS**

- Properly identify sprinkler riser and type of system. .... 5
- Operate the main control valve. .... 5
- Operate the Main Drain. .... 5
- Identify the location of the inspectors test. .... 5
- Identify locations of any Aux. Drains. .... 5
- Identify the spare sprinklers. .... 5
- Identify the monitoring company. .... 5
- Identify/ operate the PIV. .... 5
- Identify the Fire Department Connection. .... 5
- Identify the pressure gauges. .... 5

**FIRE ALARMS**

- Properly identify fire alarm panel. .... 5
- Properly identify the zones that are in alarm. .... 5
- Properly identify the device involved. .... 5
- Properly silence the alarm system. .... 5
- Identify the monitoring company. .... 5
- Identify the procedure for a false trip of the alarm. .... 5
- Properly identify a trouble signal. .... 5
- Properly silence a trouble signal. .... 5
- Identify the reset button. .... 5
- Properly put the alarm system back in service. .... 5

**Deductions** \_\_\_\_\_

**FOAM OPERATIONS**

**Practical Station Sixteen**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**NFPA 1001 3-3.7(a) 4-3.1**

The candidate will extinguish an ignitable liquid fire, operating as a member of a team, given an assignment, an attack line, personal protective equipment, a foam proportioning device, a nozzle, foam concentrates, and a water supply so that the proper type of foam concentrate is selected for a given fuel and conditions, a properly proportioned foam stream is applied to the surface of the fuel to create and maintain a foam blanket, fire is extinguished and resignation is prevented, team protection is maintained with a foam stream, and the hazard is faced until retreat to safe haven is reached.

**Communications [ NFPA 1001 4-2.2, 4-2.2(a), 4-2.2(b) (1997)]**

- **Communicates to all levels of IMS . . . . .** \_\_\_\_\_ **5**
- **Uses communications equipment properly . . . . .** \_\_\_\_\_ **5**
- **Follows good radio communications procedures** \_\_\_\_\_ **5**
- **Evaluates Scene (No exposures-no attack).....** \_\_\_\_\_ **5**

**Fireground Operations [NFPA 1001 4-3.1, 4-3.1(a), 4-3.1(b)]**

- **Maintains accountability . . . . .** \_\_\_\_\_ **FAIL**
- **Selects nozzle, hose and water source . . . . .** \_\_\_\_\_ **5**
- **Sets up in five minutes or less . . . . .** \_\_\_\_\_ **10**
- **Positions attack and backup line for suppression activities.** \_\_\_\_\_ **5**
- **Prepares foam concentrate, checking type and percentage** \_\_\_\_\_ **10**
- **Assembles foam stream components . . . . .** \_\_\_\_\_ **5**
- **Checks flow of water and removes any air in line . . . . .** \_\_\_\_\_ **5**
- **Attacks fire with wind at back, if possible . . . . .** \_\_\_\_\_ **5**
- **Approaches the fire in a safe manner . . . . .** \_\_\_\_\_ **FAIL**
- **Applies suppression agent sufficient to extinguish fire .....** \_\_\_\_\_ **5**
- **Extinguishes fire . . . . .** \_\_\_\_\_ **5**
- **Retreats from the fire in an accepted manner . . . . .** \_\_\_\_\_ **5**
- **Maneuvers are completed in a timely manner . . . . .** \_\_\_\_\_ **10**
- **Maneuvers are completed in a competent manner . . . . .** \_\_\_\_\_ **10**
- **Maneuvers are completed in a safe manner . . . . .** \_\_\_\_\_ **FAIL**

**Deductions** \_\_\_\_\_

**HAZ-MAT- PRODUCT ID & SCENE OPS**

**Practical Station Seventeen**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**NFPA 471 3-3**  
**CFD SOG 8.5.4, 9.8**

The candidate must identify a given hazardous material. They should respond at the operational level ONLY. All safety hazards to personnel should be identified and precautions taken to reduce the risk of exposure. The candidate shall direct a team in a defensive operation on a hazardous materials scene.

**PREPAREDNESS**

- Identifies product(s) involved ..... \_\_\_\_\_ **6**
- Researched product(s) involved.... \_\_\_\_\_ **4**
- Identifies primary hazard..... \_\_\_\_\_ **FAIL**
- Identifies secondary hazard . \_\_\_\_\_ **4**
- Identifies PPE including respiratory protection ..... \_\_\_\_\_ **FAIL**
- Selects appropriate plan of action. .... \_\_\_\_\_ **4**
- Estimated speed of spill ..... \_\_\_\_\_ **4**
- Reviewed terrain.... \_\_\_\_\_ **4**
- Reviewed current weather and its effects..... \_\_\_\_\_ **4**
- Predicts behavior of material(s)..... \_\_\_\_\_ **4**
- Predicts behavior of container(s) ..... \_\_\_\_\_ **4**

**OPERATION**

- Establishes and enforces scene control procedures ..... \_\_\_\_\_ **6**
- Initiates an Incident Command System ..... \_\_\_\_\_ **4**
- Demonstrates control technique: absorption, damming, diking, dilution, diversion, retention, vapor dispersion, vapor suppression ..... \_\_\_\_\_ **8**
- Uses buddy system .. \_\_\_\_\_ **6**
- Did not get into the chemical..... \_\_\_\_\_ **5**
- Had backup control device .. \_\_\_\_\_ **5**
- Doffs PPE correctly ..... \_\_\_\_\_ **5**
- Evaluates effectiveness of operations ..... \_\_\_\_\_ **6**
- Describes circumstances requiring withdrawal ..... \_\_\_\_\_ **4**
- Communicates status of response to IC ..... \_\_\_\_\_ **4**
- Performs emergency decontamination ... \_\_\_\_\_ **5**
- Identifies the potential secondary contamination ..... \_\_\_\_\_ **4**
- Maintains accountability ..... \_\_\_\_\_ **FAIL**

**Deductions:** \_\_\_\_\_

**HAZMAT- DECONTAMINATION**

**Practical Station Eighteen**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_

NFPA 471 7-1  
CFD SOG 8.5.4, 9.8

The candidate shall identify the proper type of decontamination system to set up to decontaminate victims, responders, tools, and equipment.

**SETUP**

- Identifies product(s) involved ..... \_\_\_\_\_ FAIL
- Sets up a decontamination cooridoor for incident ..... \_\_\_\_\_ FAIL
- Identify type of decon system to set up. (Wet or Dry)..... \_\_\_\_\_ 5
- Identifies all parts to the decontamination system ..... \_\_\_\_\_ 5
- Identifies a decontamination team ..... \_\_\_\_\_ 5
- Properly set up a decontamination system. .... \_\_\_\_\_ 5

**OPERATIONS**

- Communicates status with the IC ..... \_\_\_\_\_ 10
- Coordinates the victims through the system ..... \_\_\_\_\_ 5
- Properly decontaminates the victims. .... \_\_\_\_\_ 5
- Coordinates the responders through the system ..... \_\_\_\_\_ 5
- Properly decontaminates the responders. .... \_\_\_\_\_ 5
- Ensures all equipment is decontaminated..... \_\_\_\_\_ 5
- Ensures that all decon personnel go through the system ..... \_\_\_\_\_ 5
- Coordinates with EMS for evals ..... \_\_\_\_\_ 10

**TAKE DOWN**

- Properly coordinates the take down of the system ..... \_\_\_\_\_ 10
- Identifies that ALL equipment has been properly deconed ..... \_\_\_\_\_ 10
- Properly completes all paperwork ..... \_\_\_\_\_ 10

Deductions: \_\_\_\_\_



**WATER RESCUE - SURFACE**

**Practical Station Nineteen**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**NFPA 1670 Chapter 7**

**CFD SOG 8.4.3**

The candidate shall demonstrate the removal of victims from the surface of a waterway. The candidate shall demonstrate the skills to use all the appropriate water rescue equipment.

**SET UP**

- Prepares equipment for usage..... \_\_\_\_\_ **5**
- Dons a water rescue suit OR Life Jacket ..... \_\_\_\_\_ **FAIL**
- Properly launches the boat ..... \_\_\_\_\_ **10**
- Properly launches the Ice Rescue sled ..... \_\_\_\_\_ **10**

**OPERATIONS**

- Safely approaches the victim ..... \_\_\_\_\_ **FAIL**
- Properly retrieves the victim from the water ..... \_\_\_\_\_ **10**
- Communicates with the victim ..... \_\_\_\_\_ **10**
- Transfers the victim to EMS for treatment and transport ..... \_\_\_\_\_ **10**

**TAKE DOWN**

- Properly return all equipment to its proper location ..... \_\_\_\_\_ **20**
- Ensure all equipment is ready for usage ..... \_\_\_\_\_ **15**
- Completes all paperwork for the incident ..... \_\_\_\_\_ **10**

**Deductions:** \_\_\_\_\_

**WATER RESCUE- DIVE SUPPORT**

**Practical Station Twenty**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

**NFPA 1670 Chapter 7**

**CFD SOG 8.4.3, 8.4.5**

The candidate shall properly assist a diver prepare for a dive operation. The candidate shall operate as a part of a dive team tending a diver.

**SET UP**

- Identify and use CFD Dive Operations Plan ..... \_\_\_\_\_ 15
- Prepares equipment for usage..... \_\_\_\_\_ 5
- Properly helps diver don equipment ..... \_\_\_\_\_ 5
- Properly set up communication equipment ..... \_\_\_\_\_ 10
- Dons a Life Vest ..... \_\_\_\_\_ FAIL

**OPERATIONS**

- Properly tends a diver ..... \_\_\_\_\_ 15
- Maintains communications with the diver ..... \_\_\_\_\_ FAIL
- Ensures that search is being covered by the diver ..... \_\_\_\_\_ 15
- Guides the search in a coordinated manner ..... \_\_\_\_\_ 5

**TAKE DOWN**

- All equipment back in service ..... \_\_\_\_\_ 10
- All paperwork completed and logs filled out ..... \_\_\_\_\_ 20

**Deductions:** \_\_\_\_\_

**THERMAL IMAGING**

**Practical Station Twenty-One**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

The student will be able to fully operate the thermal imaging device. The student will demonstrate all operations for the camera. The student will also demonstrate their ability to recognize objects in a dark room.

**Start Up:**

- Identify parts of the camera. Lens, handles, proper position, etc. .... 5
- Demonstrate how to change the battery. .... 10
- Demonstrate how to properly charge the battery. .... 5
- Demonstrate how to attach the handle. .... 5
- Turn unit on. .... FAIL
- Turn the remote video on. .... 5
- Check battery charge. .... 10
- Identify proper caring of the camera. .... 5
- Demonstrate how the TV and record feature works. .... 5

**Use:**

- Demonstrate proper positions for best use of camera. .... 5
- In a dark room identify 3 objects. .... 15
- Identify the temperature of different objects. .... 5

**Shut Down:**

- Properly turn of the remote video. .... 5
- Properly turn the unit off. .... FAIL
- Properly exchange the battery in the unit. .... FAIL
- Properly put the old battery in the charger. .... FAIL
- Properly clean the unit. .... FAIL
- Properly put the unit back into the case. .... 10
- Properly shut down the TV. .... 10

**Deductions:** \_\_\_\_\_

**AIR MONITORING**

**Practical Station Twenty-Two**

Candidate #: \_\_\_\_\_ Examiner: \_\_\_\_\_ SCORE: \_\_\_\_\_

NFPA 471 4-5.1

CFD SOG 8.5.4, 9.8

The candidate, given hazardous material, must properly operate air monitoring equipment. They should respond at the operational level ONLY. All safety hazards to personnel should be identified and precautions taken to reduce the risk of exposure. The candidate shall assist a team in a defensive operation on a hazardous materials scene.

**PREPAREDNESS**

- Identifies product(s) involved ..... \_\_\_\_\_ 6
- Researched product(s) involved.... \_\_\_\_\_ 4
- Identifies primary hazard..... \_\_\_\_\_ FAIL
- Identifies secondary hazard . \_\_\_\_\_ 4
- Identifies PPE including respiratory protection ..... \_\_\_\_\_ FAIL
- Selects appropriate plan of action. .... \_\_\_\_\_ 4
- Estimated speed of spill ..... \_\_\_\_\_ 4
- Reviewed terrain.... \_\_\_\_\_ 4
- Reviewed current weather and its effects..... \_\_\_\_\_ 4
- Predicts behavior of material(s)..... \_\_\_\_\_ 4
- Predicts behavior of container(s) ..... \_\_\_\_\_ 4

**OPERATION**

- Properly set up monitoring equipment. .... \_\_\_\_\_ FAIL
- Properly set up any sampling probes. .... \_\_\_\_\_ 5
- Identify the alarm settings for each sensor
  - LEL-10%..... \_\_\_\_\_ 5
  - O2- 19.5% & 22% ..... \_\_\_\_\_ 5
  - CO- 35 PPM ..... \_\_\_\_\_ 5
  - H2S- 10 PPM ..... \_\_\_\_\_ 5
- Complete a proper fresh air set up. .... \_\_\_\_\_ FAIL
- Identify the Vapor Density for the product. .... \_\_\_\_\_ 5
- Monitor in the area where the vapor might be located. .... \_\_\_\_\_ FAIL
- Demonstrate the proper techniques for monitoring a room. .... \_\_\_\_\_ 5
- Log all readings. .... \_\_\_\_\_ 5
- Demonstrate the use of all buttons and their purpose. .... \_\_\_\_\_ 10
- Change the battery. .... \_\_\_\_\_ 5
- Properly demonstrate how to shut the unit down. .... \_\_\_\_\_ 4
- Demonstrate the proper cleaning and storage for the unit. .... \_\_\_\_\_ 3

Deductions: \_\_\_\_\_

**TOOLS & EQUIPMENT**

**Practical Station Twenty-Three**

**Candidate #:** \_\_\_\_\_ **Examiner:** \_\_\_\_\_ **SCORE:** \_\_\_\_\_

NFPA 1001 4-5.2, 4-5.2(a)(b)(1997)

The candidate will demonstrate ability to inspect, operate, and maintain powered fire fighting tools, given an assortment of tools, so that manufacturer specifications are followed, operation of the tool is accomplished safely, and maintenance records are maintained.

Maintenance and inspection criteria [NFPA 1001 4-5.2, 4-5.2(a) (1997)]  
Describes maintenance and inspection procedures per manufacture specifications for the following equipment.

**Chain Saw**

- **Check Fuel** ..... \_\_\_\_\_ **10**
  - **Check Oil** ..... \_\_\_\_\_ **10**
  - **Wear Proper PPE and Eye Protection** ..... \_\_\_\_\_ **FAIL**
  - **Start Saw** ..... \_\_\_\_\_ **FAIL**
  - **Demonstrate use of Safety Equipment**..... \_\_\_\_\_ **FAIL**
  - **Shut down Saw** ..... \_\_\_\_\_ **10**
  - **Shows preventative maintenance** ..... \_\_\_\_\_ **10**
- \_\_\_\_\_ **(40)**

**K-12 Saw**

- **Check Fuel** ..... \_\_\_\_\_ **10**
  - **Check Oil** ..... \_\_\_\_\_ **10**
  - **Wear Proper PPE and Eye Protection** ..... \_\_\_\_\_ **FAIL**
  - **Start Saw** ..... \_\_\_\_\_ **FAIL**
  - **Demonstrate use of Safety Equipment** ..... \_\_\_\_\_ **FAIL**
  - **Shut down Saw** ..... \_\_\_\_\_ **10**
  - **Shows preventative maintenance** ..... \_\_\_\_\_ **10**
- \_\_\_\_\_ **(40)**

**Portable Generator**

- **Check Fuel** ..... \_\_\_\_\_ **5**
  - **Check Oil** ..... \_\_\_\_\_ **5**
  - **Start Generator**..... \_\_\_\_\_ **FAIL**
  - **Put a load on the generator** ..... \_\_\_\_\_ **FAIL**
  - **Shut down generator** ..... \_\_\_\_\_ **5**
  - **Shows preventative maintenance** ..... \_\_\_\_\_ **5**
- \_\_\_\_\_ **(20)**

**Deductions:** \_\_\_\_\_

**SCORE** \_\_\_\_\_ **(100)**