

Minnesota Fire Service Certification Fire Fighter I

NFPA 1001 – 2019 Edition

Prerequisite - No prior certification is required

A completed application and payment plan are required one week before taking the Fire Fighter I Certification test. The candidate is expected to be knowledgeable and able to meet the criteria outlined in NFPA 1001 and applicable portions of the NFPA 1072 for Fire Fighter I. The Minnesota Fire Service Certification Board does not provide any training nor do we provide examination reviews. The Board does not require a specific program for applicants. The applicant must have participated in a live burn.

Standard

NFPA 1001 Firefighter I 2019 Edition & NFPA 1072 Standard of Professional Competence of Responders to Hazardous Materials Incidents, 2017 Edition – Chapters 4, 5, and Chapters 6.2 and 6.6 The questions and skills tested are designed to test the candidate on the knowledge and proficiencies outlined in NFPA 1001 for Firefighter 1. All questions in the test bank have been referenced to the standards noted above.

Reference List (FF V9.0.1 & HM V10)

The textbooks listed below were used in developing the test questions and the practical exams for the Certification test. The candidate should have knowledge of the information contained in the related books below.

- National Fire Protection Association 1001 Professional Qualifications for Firefighter, 2013 Edition
- National Fire Protection Association, NFPA 1072 Standards of Professional Competence of Responders to Hazardous Materials Incidents, 2017 Edition
- IFSTA Essentials of Firefighting – 6th Edition, 1st Printing
- IFSTA, Hazardous Materials for First Responders, 4th Edition
- Jones & Bartlett, Fundamentals of Fire Fighter Skills, 3rd Edition, 1st Printing
- Jones and Bartlett, Hazardous Materials Awareness and Operations, 1st Edition, 1st Printing

Test

The test is two parts, a written test and a practical exam. The written test is made up of 150 multiple-choice questions. The first 100 questions are selected at random from a Fire Fighter I test bank of 1458 questions. The last 50 questions are Haz-Mat Awareness/Operations level questions selected at random from a test banks consisting of 627 questions. They are graded separately. A score of 70 percent (adjusted by standard measurement of error) correct answers must be achieved in both Fire Fighter I and Haz-Mat Operations portions in order to achieve a passing score. The practical exam consists of the candidate demonstrating proficiency in four to six categories selected at random from the proficiencies required in the NFPA 1001 standards. Candidates will have 150 minutes (1minute per question) to complete the written test and will be given a reasonable amount of time as determined by the evaluator, to complete the practical skills.

Cost \$120

Minnesota Fire Service Certification Fire Fighter I

Re-certification

- Every three years.
- Requires 24 hours of Firefighter I training for each of the three years.
 - NFPA 1001 (2019 Edition) 1.3.8 The fire fighters at all levels of progression shall remain current with fire protection technology, fire suppression practices, fire and life safety initiatives, and applicable standards as determined by the AHJ.
- Cost of \$25

Firefighter I

NFPA 1001 2019 Edition



Requirements:

1. There are no prerequisites for Fire Fighter I.
2. A photo ID must be presented to the Lead Evaluator on day test is taken.
3. Completed application form and payment plan for \$120 fee is covered.
4. Candidate will be required to complete at least 5 of the 11 skill stations. Skills will be chosen at random by the lead evaluator. Skill 11 is a mandatory Haz Mat skill.
5. Candidate is responsible for providing and wearing OSHA and NFPA compliant Personal Protective Gear. Facial hair is limited per OSHA standard (mustache and goatee allowed).
6. Candidates must arrive to the test site at least 30 minutes prior to the scheduled start time.

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SKILL STATION 1

FIRE DEPARTMENT COMMUNICATION

Candidate Number _____

Evaluator: _____

Reference: NFPA 1001: (2019) 4.2.1(b), 4.2.2 (b), 4.2.3 (b), 4.2.4

Initiate the response to a reported emergency, given the report of an emergency, fire department SOPs, and communications equipment, so that all necessary information is obtained, communications equipment is operated correctly, and the information is relayed promptly and accurately to the dispatch center.

(4.2.1)

Receive a telephone call, given a fire department phone, so that procedures for answering the phone are used and the caller's information is relayed. (4.2.2)

Transmit and receive messages via the fire department radio, given a fire department radio and operating procedures, so that the information is accurate, complete, clear, and relayed within the time established by the AHJ. (4.2.3)

Activate an emergency call for assistance, given vision-obscured conditions, PPE, and department SOPs, so that the fire fighter can be located and rescued. (4.2.4)

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

1. Initiate a response to an emergency.

| | |
|----------------------------------------------------------|----------|
| Obtained necessary information to determine if emergency | _____ 20 |
| Operates radio communication equipment. | _____ 10 |
| Information promptly relayed to the dispatch center. | _____ 10 |
| Information accurately relayed to dispatch center. | _____ 20 |

Need scenarios for this also. Use critical information in book; date, time, etc.

2. Receive a fire department phone call.

| | |
|---------------------------------------------------------------|----------|
| Answers phone in a courteous manner. | _____ 5 |
| Follows proper procedures in gathering or giving information. | _____ 10 |
| Accurately gathers information from caller. | _____ 15 |
| Accurately relays caller's information. | _____ 10 |

Total Points Possible 100

Total Deductions _____

Score _____

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SKILL STATION 2

ROPES AND KNOTS

Candidate Number _____

Evaluator: _____

Reference: NFPA 1001: (2019) 4.3.20

Tie a knot appropriate for hoisting tool, given personnel protective equipment, tools, ropes, and an assignment, so that the knots used are appropriate for hoisting tools securely and as directed. (4.3.20)

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 ½" rope, so that the knot is identified. Maintenance, inspection, and storage of rope are demonstrated and the tools or appliances are hoisted safely and the assignment is completed.

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

1. Gear and Knots

| | | |
|-------------------------------------|-------|------|
| Wears Personal Protective Equipment | _____ | FAIL |
| Figure 8 on a bight | _____ | 10 |
| Clove hitch | _____ | 5 |
| Half hitch | _____ | 5 |
| Bowline (Inside or Outside) | _____ | 5 |
| Single becket- sheet bend | _____ | 5 |
| Over hand safety | _____ | 10 |

2. Tie each tool to be hoisted

| | | |
|-------------------------------------------------------------------|-------|----|
| Tie and hoist a roof ladder with the proper knot | _____ | 10 |
| Tie and hoist a charged hose line 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 |

Total Points Possible 100

Total Deductions _____

Score _____

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SKILL STATION 3 SCBA – EMERGENCY OPERATIONS/SEARCH AND RESCUE

Candidate Number _____

Evaluator: _____

Reference: NFPA 1001: (2019) 4.3.1 (b), 4.3.5 (b), 4.3.9 (b) AND NFPA 1072 (2017) 6.2

The candidate will use SCBA during emergency operations, given SCBA and other personal protective equipment, so that the SCBA is correctly donned and activated within one minute, the SCBA is correctly worn, controlled breathing techniques are used, emergency procedures are enacted if the SCBA fails, all low-air warnings are recognized, respiratory protection is not intentionally compromised, and hazardous areas are exited prior to air depletion. (4.3.1)

The candidate will exit a hazardous area as a team, given vision-obscured conditions, so that a safe haven is found before exhausting the air supply, others are not endangered, and the team integrity is maintained. (4.3.5)

Given the personal protective equipment provided by the AHJ, the operations level responder assigned to use personal protective equipment shall demonstrate the ability to don, work in, and doff the equipment provided to support mission-specific tasks by completing the following requirements. (1072 6.2)

The candidate will conduct a search and rescue in a structure operating as a member of a team, given an assignment, obscured vision conditions, personal protective equipment, a flashlight, forcible entry tools, hose lines, and ladders when necessary, so that ladders are correctly placed when used, all assigned areas are searched, all victims are located and removed, team integrity is maintained, and team members safety, including respiratory protection is not compromised. (4.3.9)

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

1. PPE Donning requirement:

Put on protective clothing checking to make sure that all parts of the fire fighter are protected.

_____ 2

2. Check SCBA for damage and wear (Use with all options):

Extend all straps before donning

_____ 2

Check for full tank gauge reading “FULL” (90% READING)

_____ FAIL

Check the low air alarm device for proper operation

_____ 2

Check the pass device for proper operation

_____ 2

Replace air cylinder if required

_____ 2

Donning – Did the examinee:

Turn on tank valve or main valve as necessary

_____ 2

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SKILL STATION 3 CONTINUED

SCBA – EMERGENCY OPERATIONS/SEARCH AND RESCUE

Candidate Number _____

Evaluator _____

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

| | |
|---------------------------------------------------------|------------|
| Compare tank gauge with regulator gauge (IF APPLICABLE) | _____ 2 |
| Acceptable procedure for donning backpack, | _____ 2 |
| Fasten all harness straps properly | _____ 2 |
| Extend the coat collar free of straps | _____ 3 |
| Don facepiece, pull spider straps back, not sideways | _____ 4 |
| Check facepiece seal (pressure test) | _____ FAIL |
| Complete donning within 60 seconds | _____ 5 |

And the candidate must demonstrate competency in one of the two following options:

OPTION A: Rescue of: a.) civilian; b.) firefighter; c.) or firefighter with SCBA:

| | |
|-----------------------------------------------------------------------------|------------|
| Turned off appropriate utilities before entering the room/assess tenability | _____ 3 |
| Attempt to maintain orientation through wall, hose line or lifeline | _____ 3 |
| Search systematically locating and removing all victims | _____ FAIL |
| Control breathing to maximize air capacity | _____ 3 |
| Communicate appropriately | _____ 4 |
| Demonstrate carry-drag | _____ 3 |
| Maintain orientation during rescue (including ability to exit room) | _____ FAIL |
| Remain in hand-knee position during search | _____ 3 |
| Use SCBA to exit through restricted passages | _____ 3 |
| Demonstrate procedures to use in event of SCBA failure | _____ 3 |

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SKILL STATION 3 CONTINUED

SCBA – EMERGENCY OPERATIONS/SEARCH AND RESCUE

Candidate Number _____

Evaluator _____

Did the candidate, as instructed, demonstrate competency in the following:

| | <u>Deduction Points</u> |
|---------------------------------------------------------------------|-------------------------|
| OPTION B: Disoriented with mask obscured: | |
| Remain Calm | _____ 5 |
| Find hose line | _____ 2 |
| Determine coupling direction (male point to fire) | _____ 2 |
| Keep low and crawl through restricted passages | _____ 2 |
| Make radio contact (Mayday) | _____ 5 |
| Make noise (shout, bang on something) | _____ 2 |
| Uses ingenuity to rescue self (safe haven) | _____ 2 |
| Activate Pass Device | _____ 5 |
| After Exit – (Use with all options) Did the examinee: | |
| Loosen all straps completely before removing face piece 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 – (Use with all options) 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 |
| In-service Checklist – Did the examinee: | |
| Check pants, coat, boots, gloves, and helmets, for damage and wear. | _____ 2 |

Total Points Possible 100

Total Deductions _____

Score _____

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SKILL STATION 4 FORCIBLE ENTRY, VENTILATION AND SAFETY

Candidate Number _____

Evaluator: _____

OPTION 1: FORCIBLE ENTRY: DOOR, WINDOW, OR WALL

Reference: NFPA 1001: (2019) 4.3.4 (b), 4.3.9 (b), and 4.3.11 (b)

Force entry into a structure, given personal protective equipment, tools, and an assignment, so that the tools are used as designed, the barrier is removed, and the opening is in a safe condition and ready for entry. (4.3.4)

Conduct a search and rescue in a structure operating as a member of a team, given an assignment, obscured vision conditions, personal protective equipment, a flashlight, forcible entry tools, hose lines, and ladders when necessary, so that ladders are correctly placed when used, all assigned areas are searched, all victims are located and removed, team integrity is maintained, and team members' safety including respiratory protection is not compromised (4.3.9)

Perform horizontal ventilation on a structure operating as part of a team, given an assignment, personal protective equipment, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are used as designed, ladders are correctly placed, ventilation devices are correctly placed, and the structure is cleared of smoke. (4.3.11)

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

Did the candidate, as instructed, demonstrate competency in the following:

| | <u>Deduction Points</u> |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Wore Personal Protective Equipment | _____ FAIL |
| Shut-down or Control Utilities | _____ 5 |
| Felt the door for heat before doing anything | _____ 5 |
| Charged Hose Line | _____ 5 |
| Tried door or window before forcing | _____ 5 |
| Donned eye protection | _____ FAIL |
| Used appropriate tools (Saw for metal wall, Ram for block wall) | _____ 5 |
| Checked and carried tools safely (sharp edges covered, proper lifting, overhead obstructions, points protected, etc.)(Halligan Tool) (Pick-Head Axe) | _____ 5 |
| Force door properly | |
| (Remove hinge pins on outward opening, pry and slip on inward opening) | _____ 5 |
| Used safe procedures for breaking window and door glass | _____ 5 |
| Used method that caused the least amount of property damage (try before you pry, lock cylinder vs. breaking glass) | _____ 10 |

Subtotal Points Possible 50

Subtotal Deductions _____

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Score _____

SKILL STATION 4 CONTINUED

FORCIBLE ENTRY, VENTILATION AND SAFETY

Candidate Number _____ Evaluator _____

OPTION 2: FORCIBLE ENTRY ROOF

Reference: NFPA 1001 (2019) 4.3.4 (b), 4.3.6 (b), 5.3.11 (b), 4.3.12 (b)

Set up ground ladders, given single and extension ladders, an assignment, and team members if needed, so that hazards are assessed, the ladder is stable, the angle is correct for climbing, extension ladders are extended to the necessary height with the fly locked, the top is placed against a reliable structural component, and the assignment is accomplished. (4.3.6)

The candidate will perform vertical ventilation on a structure as part of a team, given an assignment, personal protective equipment, ground and roof ladders, and tools, so that ladders are positioned for ventilation, a specified opening is created, all ventilation barriers are removed, structural integrity is not compromised, products of combustion are released from the structure, and the team retreats from the area when ventilation is accomplished. (4.3.12)

Did the candidate, as instructed, demonstrate competency in the following:

| | <u>Deduction Points</u> |
|------------------------------------------------------------------------------|-------------------------|
| Wore Personal Protective Equipment | _____ FAIL |
| Check footing before and while moving onto the roof | _____ FAIL |
| Select, carry, deploy and secure ground ladders | _____ 6 |
| Place ladder to avoid hazards and lock flies | _____ 6 |
| Sound out roof rafter's Remove shingles and tarpaper before cutting | _____ 6 |
| Proper foot placement when chopping | _____ 6 |
| Maintain safe control of axe or chainsaw | _____ 10 |
| Make all cuts before removing boards /push the down ceiling through the hole | _____ 6 |
| Cut structural members | _____ 5 |
| Charged Hose Line | _____ 5 |

Subtotal Points Possible 50

Subtotal Deductions _____

Score _____

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SKILL STATION 4 CONTINUED FORCIBLE ENTRY, VENTILATION AND SAFETY

Candidate Number _____ Evaluator _____

OPTION #3: ATTACK FIRE - POSITIVE PRESSURE VENTILATION

Reference: NFPA 1001 (2019) 4.3.10 (b), 4.3.11 (b)

Attack an interior structure fire operating as a member of a team, given an attack line, ladders when needed, personal protective equipment, tools, and an assignment, so that team integrity is maintained, the attack line is deployed for advancement, ladders are correctly placed when used, access is gained into the fire area, effective water application practices are used, the fire is approached correctly, attack techniques facilitate suppression given the level of the fire, hidden fires are located and controlled, the correct body posture is maintained, hazards are recognized and managed and the fire is brought under control. (4.3.10)

Did the candidate, as instructed, demonstrate competency in the following:

| | <u>Deduction Points</u> |
|------------------------------------------------------------------------------|-------------------------|
| Carry, extend, couple/uncouple and advance hose lines | _____ 10 |
| Apply water using direct/indirect on fire at, above, or below grade | _____ 10 |
| Locate and suppress interior fire | _____ 5 |
| Placed blowers/ejectors properly | _____ 10 |
| Ability to transport and operate ventilation tools and equipment and ladders | _____ 5 |
| Use safe procedures for breaking window/door glass and removing obstructions | _____ 10 |

Subtotal Points Possible 50

Subtotal Deductions _____

Score _____

OPTION #4: HYDRAULIC VENTILATION

Reference: NFPA 1001 (2019) 4.3.11 (b), 4.3.12 (b)

The candidate will perform horizontal ventilation on a structure operating as part of a team. Given an assignment, personal protective equipment, ventilation tools, equipment, and ladders, so that the ventilation openings are free of obstructions, tools are used as designed, ladders are correctly placed, ventilation devices are correctly placed, and the structure is cleared of smoke. NFPA 1001 5.3.11

| | |
|----------------------------------------------------------------|----------|
| Ensured window opening was completely open | _____ 5 |
| Ensured water spray would not injure others or damage property | _____ 10 |
| Positioned self - 3' to 8' 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 |

Subtotal Points Possible 50

Subtotal Deductions _____

Score _____

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SKILL STATION 4 CONTINUED

FORCIBLE ENTRY, VENTILATION AND SAFETY

Candidate Number _____ Evaluator _____

OPTION #5: SAFETY

Reference: NFPA 1001 (2019) 4.3.2 (b) 4.3.17 (b) and 4.3.18 (b)

Respond on apparatus to an emergency scene, given personal protective clothing and other necessary personal protective equipment, so that the apparatus is correctly mounted and dismounted, seat belts are used while the vehicle is in motion, and other personal protective equipment is correctly used. (4.3.2)

Operate emergency scene lighting, given fire service lighting equipment, power supply, and an assignment, so that emergency scene lighting equipment is operated within the manufacturer's listed safety precautions. (4.3.17)

Turn off building utilities, given tools and an assignment, so that the assignment is safely completed. (4.3.18)

Did the candidate, as instructed, demonstrate competency in the following:

| | <u>Deduction Points</u> |
|------------------------------------------------------------------------|-------------------------|
| Used hand holds when mounting / dismounting | _____ 5 |
| Fastened seat belts (route, emergency, all times) | _____ 5 |
| Wore/Removed hearing protection, donned helmet as required | _____ 5 |
| Ensured cords and lights were in good condition & deployed as directed | _____ 5 |
| Connected cables – tied knot to protect connector's | _____ 5 |
| Locate lights for best effects | _____ 5 |
| Started generator before load was applied & Connected light cords | _____ 5 |
| Operated breaker switch/reset ground fault interrupter | _____ 5 |
| Properly/safely – using correct equipment – disconnected utilities | _____ 10 |

Subtotal Points Possible 50

Subtotal Deductions _____

Score _____

Grand Total Points Possible 100

Grand Total Deductions _____

Final Score _____

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SKILL STATION 5

OPERATING IN AN EMERGENCY SITUATION

Candidate Number _____

Evaluator: _____

Reference: NFPA 1001 (2019) 4.3.3 (b)

Establish and operate in work areas at emergency scenes, given protective equipment, traffic and scene control devices, structure fire and roadway emergency scenes, traffic hazards and downed electrical wires, photovoltaic power systems, battery storage systems an assignment, and SOPs, so that procedures are followed, protective equipment is worn, protected work areas are established as directed using traffic and scene control devices, and the fire fighter performs assigned tasks only in established, protected work areas.

Did the candidate, as instructed, demonstrate competency in the following:

| | <u>Deduction Points</u> |
|-------------------------------------------------------|-------------------------|
| Safely approaches the situation | _____ 20 |
| Uses inner-outer circle to evaluate the scene | _____ 20 |
| Identifies and controls hazards (includes PPE) | _____ 20 |
| Implements and communicates incident action plan | _____ 20 |
| Properly sets up public barriers-establishes security | _____ 20 |
| Did not work within the established safety zone. | _____ FAIL |

Total Points Possible 100

Total Deductions _____

Score _____

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SKILL STATION 6

LADDERS, CARRIES, RAISES

Candidate Number _____

Reference: NFPA 1001 (2019) 4.1.2, 4.3.6 (b), 4.3.11(b)

Evaluator: _____

The candidate will set up ground ladders, given single and extension ladders, an assignment, and team members if needed, so that hazards are assessed, the ladder is stable, the angle is correct for climbing, extension ladders are extended to the necessary height with the fly locked, the top is placed against a reliable structural component, and the assignment is accomplished, and 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.

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

Carry and Raise Ladder:

| | | |
|----------------------------------------------------------|-------|------|
| 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 |
| Check for secure footing for ladder | _____ | 5 |
| Secure Ladder (define, butt ladder, tie off, 5.3.6) | _____ | FAIL |
| Did "raiser" keep watch overhead for obstructions | _____ | FAIL |
| Keep hands and feet from between rungs during extension | _____ | 5 |
| Extend ladder so that 5 rungs extended above roofline | _____ | 5 |
| 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 |

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SKILL STATION 6 CONTINUED

LADDERS, CARRIES, RAISES

Candidate Number _____ Evaluator _____

Reference: NFPA 1001 (2019) 4.1.2, 4.3.6(a) (b), 4.3.11(b)

Given proper rope tie approved knot and hoist selected tool or appliance to a height of at least 12ft.

Climb the ladder

_____ 5
_____ FAIL

Lower Ladder:

Watch for overhead obstacles while moving and lowering ladder

Lower in the beam or flat position

Keep hands and feet from between rungs during retracting fly section

Butt ladder properly

Tie halyard off (rope off ground and secure)

_____ FAIL
_____ 5
_____ 5
_____ 5
_____ 5

Total Points Possible 100

Total Deductions _____

Score _____

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SKILL STATION 7

FIRE CONTROL, SALVAGE AND OVERHAUL, FIRE EXTINGUISHERS

Candidate Number _____

Evaluator: _____

Reference: NFPA 1001 (2019) 4.3.1 (b), 4.2.3 (b), 4.2.4 (b), 4.3.2 (b), 4.3.3 (b), 4.3.4 (b), 4.3.6 (b), and 4.3.10 (b)

The candidate must demonstrate competency in one of the seven following options:

OPTION #1: SUPPRESSION OF INTERIOR FIRE

The candidate, operating as a member of a four person team in a vision obscured environment and wearing full personal protective equipment, will attack an interior structure fire. The team, given an attack scenario maintains team integrity, appropriately deploy and advance the attack line, correctly place ladders if used, properly gain access into the fire area, approach the fire safely, use appropriate attack techniques including sufficient flow rate to facilitate suppression. All this will be done in such a way as to avoid or safely manage all hazards encountered. (NFPA 1001 (2019) 4.3.10 The candidate will also transmit and receive messages via the fire department radio, given a fire department radio and operating procedures, so that the information is accurate, complete, clear, and relayed within the time established by the AHJ.

| Did the candidate, as instructed, demonstrate competency in the following: | <u>Deduction Points</u> |
|----------------------------------------------------------------------------|-------------------------|
| Communications: NFPA 1001 (2019) 4.2.3, 4.3.1 (b), 4.3.2 (b) | |
| Utilizes full PPE protective envelope | _____ FAIL |
| Communications with crew | _____ 10 |
| Establishes communications with sector commander | _____ 10 |
| Personal safety: NFPA 1001 (2019) 4.3.5 (b) | |
| Verbalizes observed hazards and scene safety | _____ FAIL |
| Shuts-down or controls utilities | _____ 5 |
| Verbalizes safe haven | _____ 10 |
| Utilizes accountability system | _____ 10 |
| Suppression of an interior fire: NFPA 1001 (2019) 4.3.3 (b) | |
| Identifies building hazards and additional means of egress | _____ 15 |
| Advances and operate hand lines to room of origin | _____ 10 |
| Cools the ceiling of the fire room | _____ 10 |
| Application rate sufficient for extinguishment | _____ 10 |
| All maneuvers performed in safe and controlled manner | _____ 10 |

Total Points Possible 100 **Total Deductions** _____

Score _____

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SKILL STATION 7 CONTINUEED

FIRE CONTROL, SALVAGE AND OVERHAUL, FIRE EXTINGUISHERS

Candidate Number _____ Evaluator _____

OPTION #2: SUPPRESSION OF AN EXTERIOR FIRE

Reference: **NFPA 1001 (2019) 4.3.8 (b)**

The candidate will extinguish fires in exterior Class A materials, given fires in stacked or piled and small unattached structures or storage containers that can be fought from the exterior, attack lines, hand tools and protected, the spread of fire is stopped, collapse hazards are avoided, water application is effective, the fire is extinguished, and signs of the origin area(s) and arson are preserved (4.3.8)

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

Procedure for connecting suction sleeve: NFPA 1001: (2019) 5.3.8 (a) (b), 5.3.15 (a) (b)

| | | |
|------------------------------------------------------|-------|------|
| Verbalizes observed hazards and scene safety | _____ | FAIL |
| Utilizes full PPE protective envelope | _____ | FAIL |
| Remove hose, hydrant wrench & adapter from apparatus | _____ | 5 |
| Remove hydrant cap, & flush hydrant | _____ | 5 |
| Place supply hose on hydrant | _____ | 5 |
| Position Pumper and connect hose to steamer fitting | _____ | 5 |
| Place extra gate on 2 ½" discharge or hydrant valve | _____ | 5 |
| Open hydrant in a controlled manner | _____ | 5 |
| Hydrant fully open | _____ | 5 |

Personal safety: NFPA 1001: (2019) 5.3, 5.3.5 (a) (b)

| | | |
|--------------------------------|-------|----|
| Verbalizes safe haven | _____ | 10 |
| Utilizes accountability system | _____ | 15 |

Suppression of an exterior fire: NFPA 1001: (2019) 5.3.8 (a) (b)

| | | |
|------------------------------------------------------------------------|-------|----|
| Set up and place hand lines into service with nozzle | _____ | 10 |
| Set up & place master stream into service to reach a designated target | _____ | 5 |
| Demonstrate overhauling scene | _____ | 5 |
| All maneuvers performed in safe and controlled manner | _____ | 20 |

Total Points Possible 100

Total Deductions _____

Score _____

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SKILL STATION 7 CONTINUED

FIRE CONTROL, SALVAGE AND OVERHAUL, FIRE EXTINGUISHERS

Candidate Number _____ Evaluator _____

OPTION #3: SUPPRESSION OF FLAMMABLE LIQUID FIRE WITH A FIRE EXTINGUISHER

Reference: **NFPA 1001: (2019) 4.3.16 (b)**

Extinguish incipient Class A, Class B, and Class C fires, given a selection of portable fire extinguishers, so that the correct extinguisher is chosen, the fire is completely extinguished and correct extinguisher-handling techniques are followed. (4.3.16)

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

Suppression with a fire extinguisher:

| | | |
|----------------------------------------------------------|-------|------|
| Wears PPE | _____ | FAIL |
| Evaluate the scene | _____ | 20 |
| Choose correct extinguisher | _____ | 20 |
| Tests extinguisher prior to approaching fire | _____ | 20 |
| Fire extinguishing agent delivered to seat of fire | _____ | 20 |
| Retreats from fire while constantly observing conditions | _____ | 20 |
| Safely carry portable fire extinguishers | _____ | FAIL |

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 7 CONTINUEED

FIRE CONTROL, SALVAGE AND OVERHAUL, FIRE EXTINGUISHERS

Candidate Number _____ Evaluator _____

OPTION #4: SUPPRESSION-GROUND-COVER FIRE: NFPA 1001: (2019) 4.3.2, 4.3.3, 4.3.19 (b)

The candidate will combat a ground cover fire operating as a member of a team, given protective clothing, SCBA if needed, hose lines, extinguishers or hand tools, and an assignment, so that threats to property are reported, threats to personal safety are recognized, retreat is quickly accomplished when warranted, and the assignment is completed. NFPA 1001 (2019) 5.3.19

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

Personnel safety: NFPA 1001 (2019) 5.3.2, 5.3.3, 5.3.19 (a) (b)

Identifies hazards and scene safety _____ FAIL

Identifies safe haven (Burned area upwind of fire front) _____ 10

Utilizes accountability system _____ 15

Suppression of a ground cover fire: NFPA 1001: (2019) 5.3.2, 5.3.3, 5.3.19(a)(b)

Utilizes full protective envelope _____ FAIL

Chooses appropriate tools, extinguisher and/or hand line _____ 15

Determines exposure threats, identifies wind direction _____ 15

Constructs a fire line surrounding incident _____ 15

Maintains integrity of fire line / Locates all hidden fire _____ 15

Simulates extinguishing fire with hand tools or water application _____ 15

All maneuvers are done in a safe and controlled manner _____ FAIL

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 7 CONTINUED

FIRE CONTROL, SALVAGE AND OVERHAUL, FIRE EXTINGUISHERS

Candidate Number _____ Evaluator _____

OPTION #5: SUPPRESSION OF A VEHICLE FIRE:

NFPA 1001: (2019) 4.3.1 (b), 4.3.2 (b), 4.3.3 (b), & 4.3.7(b)

The candidate will attack on a passenger vehicle fire operating as a member of a team, given personal protective equipment, attack line, and hand tools, so that hazards are avoided, leaking flammable liquids are identified and controlled, protection from flash fires is maintained, all vehicle compartments are overhauled, and the fire is extinguished. NFPA 1001 (2019) 5.3.7

| Did the candidate, as instructed, demonstrate competency in the following: | <u>Deduction Points</u> |
|----------------------------------------------------------------------------|-------------------------|
| Communications: NFPA 1001: (2019) 5.3.1, 5.3.2, & 5.3.3, | |
| Communications with crew | _____ 10 |
| Verbalizes observed hazards and scene safety | _____ FAIL |
| Utilizes full protective envelope | _____ FAIL |
| Personal safety: NFPA 1001: (2019) 5.3.1, 5.3.2, 5.3.3 | |
| Verbalizes safe haven | _____ 10 |
| Utilizes accountability system | _____ 15 |
| Vehicle fire attack procedures: NFPA 1001: (2019) 5.3.7(a)(b) | |
| Place two- 1 ½" or greater hand lines into service | _____ 10 |
| Safe angle of approach: 45 degrees, uphill and up wind | _____ 15 |
| Cools or controls fuel source | _____ 10 |
| Fire stream applied at sufficient rate to extinguish fire | _____ 10 |
| All maneuvers performed in safe and controlled manner | _____ FAIL |
| Apparatus positioning: | |
| Proper approach angle | _____ 10 |
| Minimum distance from vehicle | _____ 5 |
| Apparatus placement in relation to fuel tank | _____ 5 |

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 7 CONTINUEED

FIRE CONTROL, SALVAGE AND OVERHAUL, FIRE EXTINGUISHERS

Candidate Number _____ Evaluator _____

OPTION #6: SALVAGE

Reference: NFPA 1001: (2019) 4.3.1 (b), 4.3.14 (b)

The candidate will conserve property as a member of a team. Given salvage tools and equipment and an assignment, so that the building and its contents are protected from further damage.

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

| | | |
|--------------------------------------------------------------------------------------------------------|-------|------|
| Wears Personal Protective Equipment | _____ | FAIL |
| Position cover on top of objects near center. | _____ | 10 |
| Deploy cover over furniture (covered completely). | _____ | 10 |
| All lose edges tucked under. | _____ | 10 |
| Demonstrate the construction and use of a water chute. | _____ | 10 |
| Demonstrate the construction and use of a water catchall. | _____ | 10 |
| Demonstrate the covering or closing of building openings, including doors, windows, floors, and roofs, | _____ | 5 |
| Demonstrate the removal of debris and the removal and routing of water from a structure. | _____ | 5 |
| Demonstrate the procedures of inspection, cleaning, and maintaining Salvage equipment | _____ | 10 |
| Demonstrate 2 folds and rolls for salvage covers. | _____ | 10 |
| Demonstrate shutting of main control valve of sprinkler. | _____ | 10 |
| Demonstrate using sprinkler wedge or wedges to control flow of sprinkler head. | _____ | 10 |

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 7 CONTINUED

FIRE CONTROL, SALVAGE AND OVERHAUL, FIRE EXTINGUISHERS

Candidate Number _____ Evaluator _____

OPTION #7: OVERHAUL

Reference: NFPA 1001: (2019) 4.3.13 (b)

The candidate will overhaul a fire scene, given personal protective equipment, attack line, hand tools, a flashlight, and an assignment, so that structural integrity is not compromised, all hidden fires are discovered, fire cause evidence is preserved, and the fire is extinguished.

| Did the candidate, as instructed, demonstrate competency in the following: | <u>Deduction Points</u> |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Wears personal protective equipment | _____ FAIL |
| Expose hidden fires by opening ceilings, OR walls, OR floors by pulling apart burned materials. | _____ 20 |
| Position, raise and lower a folding attic ladder. | _____ 10 |
| Select a safe area to be opened (no electrical, glass, etc.). | _____ 20 |
| Position self in safe area (candidate is in proper position) | _____ 20 |
| Pulls material away from self | _____ 20 |
| Separate, remove, and relocate charred material to a safe location while protecting the area of origin for determination of cause. | _____ 10 |

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 8

LADDER/TOOL/HOSE MAINTENANCE

Candidate Number _____

Evaluator: _____

Reference: NFPA 1001 (2019) 4.5.1 (b), 4.5.2 (b)

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. (4.5.1)

Clean, inspect and return fire hose to service, given washing equipment, water, detergent, tools, and replacement gaskets, so that damage is noted and corrected, the hose is clean, and the equipment is placed in a ready state for service. (4.5.2)

Candidate must demonstrate competency in one of the three following options:

OPTION #1A: LADDER INSPECTION, CLEANING AND MAINTENANCE

Reference: NFPA 1001: (2019) 4.5.1 (b)

The candidate will be expected to identify and clean a ladder. Work carefully and tell the examiner what you are doing. Please inspect and clean an aluminum, fiberglass, or wooden ladder.

| Did the candidate, as instructed, demonstrate competency in the following: | <u>Deduction Points</u> |
|----------------------------------------------------------------------------|--------------------------------|
| Select the correct ladder | _____ 45 |
| Hose away all loose dirt | _____ 20 |
| Scrub with soap and water any difficult dirt | _____ 20 |
| Clean with solvent any tar, oil or grease | _____ 10 |
| Drain water to avoid freezing | _____ 5 |

Total Points Possible 100

Total Deductions _____

Score _____

OR

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 8 CONTINUED

LADDER/TOOL/HOSE MAINTENANCE

Candidate Number _____ Evaluator _____

OPTION #1B:

The candidate will be expected to inspect a ladder to determine that it is safe for use. The candidate will also be required to perform maintenance and inspection on the ladder.

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

1. Inspection/Documentation:

| | | |
|---------------------------------------------------------------|-------|---|
| Inspect the heat sensor label | _____ | 9 |
| Inspect for any discoloration | _____ | 5 |
| Inspect for bends or twists in rails | _____ | 9 |
| Inspect for burrs in metal | _____ | 5 |
| Inspect for loose rungs by manually trying to twist | _____ | 5 |
| Inspect for any loose bolts | _____ | 9 |
| Inspect for any cracked welds | _____ | 9 |
| Inspect for free movement of pawl components | _____ | 5 |
| Inspect for fraying or kinking of the halyard | _____ | 9 |
| Inspect for free turning of the pulley | _____ | 2 |
| Inspect ladder guides for free movement of flys | _____ | 2 |
| Document inspection and pronounce bad ladder "out of service" | _____ | 9 |

2. Maintain the Ladder:

| | | |
|------------------------------------------|-------|---|
| Lubricate the pawl mechanisms | _____ | 2 |
| Lubricate the slides and guides with wax | _____ | 2 |
| File down minor metal burrs | _____ | 5 |
| Steel wool any minor discoloration's | _____ | 2 |
| Tighten loose bolts or nuts | _____ | 9 |
| Lubricate pulley | _____ | 2 |

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 8 CONTINUED

LADDER/TOOL/HOSE MAINTENANCE

Candidate Number _____ Evaluator _____

OPTION #2: HOSE CLEANING, INSPECTION, & MAINTENANCE

Reference: NFPA 1001: (2019) 4.5.2 (b)

The candidate will clean, inspect and return fire hose to service, given washing equipment, water, detergent, tools, and replacement gaskets, so that damage is noted and corrected, the hose is clean, and the equipment is placed in a ready state for service. NFPA 1001 (2019) 5.5.2

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

| | |
|--------------------------------------------------------|----------|
| Inspect coupling threads for burrs or out-of-roundness | _____ 10 |
| Inspect gasket | _____ 20 |
| Inspect hose for obvious damage | _____ 20 |
| Document and mark defective hose | _____ 10 |
| Select correct gasket for replacement | _____ 10 |
| Rinse loose dirt from hose | _____ 10 |
| Scrub any difficult soil or contaminant | _____ 10 |
| Arrange for appropriate drying | _____ 10 |

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 8 CONTINUED

LADDER/TOOL/HOSE MAINTENANCE

Candidate Number _____ Evaluator _____

OPTION #3: CLEANING AND MAINTAINING HAND TOOLS

Reference: NFPA 1001: (2019) 4.5.1 (b)

The candidate will be required to clean, inspect, and maintain selected hand tools.

| Did the candidate, as instructed, demonstrate competency in the following: | <u>Deduction Points</u> |
|-------------------------------------------------------------------------------------------------------------|-------------------------|
| Select the correct tool | _____ 10 |
| Inspect for metal burrs | _____ 5 |
| Inspect for splinters on impact head | _____ 5 |
| Inspect for sharpness (not razor sharp) | _____ 5 |
| Inspect for handle tightness | _____ 15 |
| Inspect handle for integrity (cracked, splinters, imminent failure pending wood or fiberglass or composite) | _____ 10 |
| File away metal burrs | _____ 5 |
| Clean tar or grease with solvent | _____ 5 |
| Clean rust with steel wool | _____ 5 |
| Wash away gross dirt and rinse | _____ 10 |
| Sharpen edges with file as appropriate | _____ 10 |
| Apply thin coat of oil to metal parts | _____ 5 |
| Document work and place bad equipment "out of service" | _____ 10 |

Total Points Possible 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____

Evaluator: _____

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

OPTION #1: Demonstrate 2 of the 3 following hose rolls:

Reference: NFPA 1001 (2019) 4.5.2 (b)

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

1. Basic-Straight Roll:

| | | |
|--------------------------------------------------------------|-------|---|
| Lay out the hose | _____ | 3 |
| Dropped couplings | _____ | 2 |
| Position yourself for rolling (bend over) | _____ | 2 |
| Begin the roll (male coupling inside roll) | _____ | 2 |
| Complete the roll (rolled up) | _____ | 2 |
| Reposition and align the roll (evening out, flattening coil) | _____ | 6 |
| Check the female coupling for a gasket | _____ | 4 |
| Check condition of coupling threads | _____ | 4 |
| Sub Total 25 | _____ | |

2. One Person Doughnut Roll:

| | | |
|-------------------------------------------|-------|---|
| Lay out the hose | _____ | 3 |
| Dropped couplings | _____ | 2 |
| Fold the coupling for protection | _____ | 2 |
| Protect male end and both ends accessible | _____ | 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 |
| Sub Total 25 | _____ | |

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

3. Self-locking Twin Doughnut:

| | | |
|--------------------------------------------------------------|-------|---|
| Lay out the hose | _____ | 3 |
| Check the female coupling for a gasket | _____ | 4 |
| Check the condition of coupling threads | _____ | 4 |
| Dropped couplings | _____ | 2 |
| Cross one side of the hose over the other to prevent a twist | _____ | 2 |
| Position yourself | _____ | 2 |
| Form two side-by-side loops | _____ | 2 |
| Roll the hose | _____ | 2 |
| Form a shoulder sling | _____ | 4 |

Sub Total 25 _____

Total Points Possible 50

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OPTION #2: DEMONSTRATE FIRE SERVICE HOSE ADVANCES

Reference: NFPA 1001 (2019) 4.3.10 (b)

The candidate will attack an interior structure fire operating as a member of a team, given an attack line, ladders when needed, personal protective equipment, tools, and an assignment, so that team integrity is maintained, the attack line is deployed for advancement, ladders are correctly placed when used, access is gained into the fire area, effective water application practices are used, the fire is approached correctly, attack techniques facilitate suppression given the level of the fire, hidden fires are located and controlled, the correct body posture is maintained, hazards are recognized and managed and the fire is brought under control. (NFPA 1001 5.3.10 (2019) 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 ½” or 1 ¾” line into a structure or, 2.) a charged 2 ½” line into a structure or, 3.) a charged 1 ½” or 1 ¾” line up a ladder to a second floor landing or, 4.) a charged 2 ½” line up an inside stairway to a second floor landing or, 5.) an un-charged 2 ½” line up an outside stairway to a second floor level or, 6.) a charged 2 ½” 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.

(A) Advancing a charged hose line into a structure:

Tested Standard: NFPA 1001 (2019) 5.3.10 (a) (b)

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

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

Total Points Possible 50

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OR

(B) Advancing an uncharged hose up a ladder into a window

Reference: NFPA 1001 (2019) 4.3.10 (b)

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

| | |
|--------------------------------------------------------------|------------|
| Full personal protective equipment including SCBA | _____ FAIL |
| Firefighter secures ladder | _____ FAIL |
| Fire fighters climb ladder in accordance with reputable text | _____ 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 |

Total Points Possible 50

Total Deductions _____

Score _____

OR

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

(C) Working from a ladder with a hose line

Reference: NFPA 1001 (2019) 4.3.10 (b)

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

| | |
|---------------------------------------------------------------|------------|
| Full personal protective equipment including SCBA | _____ FAIL |
| Firefighter secures ladder (approved ladder belt or leg lock) | _____ FAIL |
| Hose placed through rung | _____ 10 |
| Hose tied off / use of hose strap or other approved device | _____ FAIL |
| Slack secured | _____ 10 |
| Nozzle opened when secure | _____ 10 |
| Stream directed at designated target | _____ 10 |
| Firefighter secured to ladder | _____ 10 |

Total Points Possible 50

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OPTION #3: HOSE LOADS

Reference: NFPA 1001 (2019) 4.5.2 (b)

The candidate, given several 50' lengths of fire service hose, and a fire service engine/pumper will demonstrate fire service hose loads either forward or reverse lay .

The examinee will demonstrate one of these three competencies.

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

(A) Demonstrate a vertical accordion hose bed load.

| | |
|---------------------------------------------------------------------------------------|---------|
| Check the female coupling for a gasket | _____ 4 |
| Check the condition of coupling threads | _____ 4 |
| Position yourselves for loading | _____ 2 |
| Start the hose load | _____ 5 |
| Place coupling in the hose bed | _____ 5 |
| Stand fire service hose on edge in hose bed | _____ 5 |
| Fold back (loop) the hose | _____ 5 |
| Continue until a coupling is reached | _____ 5 |
| Stagger couplings in the hose bed | _____ 5 |
| Use a "Dutchman" (a short fold or reverse bend) to position couplings for proper exit | _____ 5 |
| Continue loading fire service hose | _____ 5 |

Total Points Possible 50

Total Deductions _____

Score _____

OR

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

(B) Demonstrate a flat hose bed load.

| Did the candidate, as instructed, demonstrate competency in the following: | <u>Deduction Points</u> |
|-------------------------------------------------------------------------------------------------|-------------------------|
| Check the female coupling for a gasket | _____ 4 |
| Check the condition of coupling threads | _____ 4 |
| Position yourselves for loading | _____ 2 |
| Start the hose load | _____ 5 |
| Place coupling in the hose bed | _____ 5 |
| Lay the hose in the hose bed | _____ 5 |
| Make folds (loops) in the fire service hose | _____ 5 |
| Stagger couplings in the hose bed to allow for easy removal of the fire service hose | _____ 5 |
| Use a "Dutchman" (a short fold or reverse bend) to position couplings for proper exit/unloading | _____ 5 |
| Start second or subsequent tier | _____ 5 |
| Stagger the folds of each tier | _____ 5 |

Total Points Possible 50

Total Deductions _____

Score _____

OR

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

(C) Demonstrate a horseshoe hose bed load.

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

| | |
|---------------------------------------------------------------------------------------|---------|
| Check the female coupling for a gasket | _____ 4 |
| Check the condition of coupling threads | _____ 4 |
| Position yourselves for loading | _____ 2 |
| Inspect the couplings for gasket & thread damage | _____ 5 |
| Start the hose load | _____ 5 |
| Place coupling in the hose bed | _____ 5 |
| Lay the fire service hose in the hose bed | _____ 5 |
| Fold hose back towards the opposite end of the hose bed | _____ 5 |
| Continue to load fire service hose | _____ 5 |
| Use a "Dutchman" (a short fold or reverse bend) to position couplings for proper exit | _____ 5 |
| Make the tier crossovers | _____ 5 |

Total Points Possible 50

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OPTION #4: FIRE SERVICE HOSE COUPLINGS, CARRYING, AND DRAINING

Reference: NFPA 1001 (2019) 4.3.10 (b), 4.5.2 (b)

The candidate, given two lengths of 1 ½” or 1 ¾” 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 ½” or 1 ¾” 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 ½” or 1 ¾” section of fire service hose, or 6.) demonstrate carrying 100ft of 1½ or 1¾” fire service hose into a building, connect it to a standpipe, advance and extend the fire service hose for use with a 1 ½” inch adjustable nozzle.

The candidate will demonstrate two of the following competencies.

(A) Demonstrate proper coupling and uncoupling of two lengths of 1 ½” or 1 ¾” fire service hose using the foot tilt method to couple hose and the knee press method to uncouple:

Did the candidate, as instructed, demonstrate competency in the following: Deduction Points

| | |
|-----------------------------------------------------|---------|
| Check the female coupling for a gasket | _____ 4 |
| Check the condition of coupling threads | _____ 4 |
| Position the fire service hose | _____ 2 |
| Position yourself and step on the fire service hose | _____ 1 |
| Set the threads: align Higbee cut and indicator | _____ 2 |
| Connect the couplings | _____ 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 |

Total Points Possible 25

Total Deductions _____

Score _____

OR

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

(B) Demonstrate the proper coupling and uncoupling of two lengths of 1 ½” or 1 ¾” fire service hose using the over the hip method to couple the hose and the stiff arm method to uncouple the hose:

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

| | |
|----------------------------------------------------|---------|
| Check the female coupling for a gasket | _____ 4 |
| Check the condition of coupling threads | _____ 4 |
| Position the fire service hose | _____ 2 |
| Position the female coupling | _____ 2 |
| 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 | _____ 3 |
| Disconnect the couplings | _____ 2 |
| Lay down the couplings without dropping | _____ 2 |

Total Points Possible 25

Total Deductions _____

Score _____

OR

(C) Demonstrate proper methods for adding an additional 50’ section of hose.

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

| | |
|--------------------------------------------|---------|
| Close the nozzle | _____ 3 |
| Carry a section of hose and hose clamp | _____ 4 |
| Place the hose clamp to shut down the line | _____ 4 |
| Open the nozzle | _____ 3 |
| Remove the nozzle | _____ 2 |
| Connect the new section of hose | _____ 4 |
| Reattach the nozzle | _____ 3 |
| Release the hose clamp from original line | _____ 2 |

Total Points Possible 25

Total Deductions _____

Score _____

OR

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

(D) Demonstrate proper method(s) for replacing a burst section of line:

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

| | |
|--------------------------------------------------|---------|
| Determine the proper location for the hose clamp | _____ 3 |
| Place the hose in the clamp | _____ 2 |
| Close the hose clamp jaws | _____ 3 |
| Remove and mark defective hose | _____ 2 |
| Carry two new sections of hose | _____ 2 |
| Uncouple the damaged section of hose | _____ 3 |
| Connect a new section of hose | _____ 2 |
| Connect opposite end of the second section | _____ 2 |
| Release the hose clamp | _____ 3 |
| Tighten connections as necessary | _____ 3 |

Total Points Possible 25

Total Deductions _____

Score _____

OR

(E) Demonstrate a single section drain and carry of a 1 ½” or 1 ¾” line 50’ in length:

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

| | |
|----------------------------------------------------------|---------|
| 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 in the same direction it was picked up | _____ 3 |

Total Points Possible 25

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OR

(F) Demonstrate carrying 100' of 1 1/2" or 1 3/4" line into a building, connect to a standpipe, advance and extend the line for use with a 1 1/2" adjustable nozzle:

Did the candidate, as instructed, demonstrate competency in the following: **Deduction Points**

| | |
|---------------------------------------------------------------------------------------------------------|---------|
| Carry hose into structure | _____ 5 |
| Detach the building hose line 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 |

Total Points Possible 25

Grand Total Points 100

Total Deductions _____

Score _____

Minnesota Fire Service Certification Fire Fighter I

SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OPTION #5: HYDRANT CONNECTION

Reference: NFPA 1001 (2019) 4.3.15 (b)

The candidate, acting as a member of a team, given 6 - 50' sections of 2 ½" or 3" 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.

Demonstrate laying 2 ½" or 3" fire service hose from an engine/ pumper to a hydrant and complete all connections, leak free:

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

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

Total Points Possible 50

Total Deductions _____

Score _____

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SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OPTION #6: DRAFTING FROM A STATIC SOURCE

Reference: NFPA 1001 (2019) 4.3.15 (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 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.

| Did the candidate, as instructed, demonstrate competency in the following: | <u>Deduction Points</u> |
|----------------------------------------------------------------------------|-------------------------|
| 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 |

Total Points Possible 50

Total Deductions _____

Score _____

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SKILL STATION 9 CONTINUED

FIRE HOSE, APPLIANCES AND FIRE STREAMS

Candidate Number _____ Evaluator _____

OPTION #7: ESTABLISHMENT OF A FIRE STREAM

Reference: NFPA 1001 (2019) 5.3.10 (b)

The candidate, wearing full personal protective equipment, given a fire service attack line and fire service hose tools will demonstrate: attaching a 2 ½” or 3” fire service hose line, attach a gated wye to the 2 ½” or 3” fire service hose line, attach a 1 ½” or 1 ¾” fire service hose line to the gated wye, attach a 1 ½” 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:

Did the candidate, as instructed, demonstrate competency in the following:

Deduction Points

| | | |
|-----------------------------------------------------------------|-------|------|
| Inspect and flush hydrant | _____ | 4 |
| Attach a length of 2 ½” or 3” fire service hose to hydrant | _____ | 2 |
| Attach a gated wye to the 2 ½” or 3” hose line | _____ | 3 |
| Attach a length of 1 ½” or 1 ¾” 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 |
| Retreat 10’ with charged hose line | _____ | 3 |
| Shut down the nozzle | _____ | 3 |
| Disconnect all connections | _____ | 3 |
| Drain fire service hose lines | _____ | 3 |
| Drain hydrant | _____ | 4 |
| Cap hydrant | _____ | 3 |

Total Points Possible 50

Total Deductions _____

Score _____

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SKILL STATION 10

AIR MONITORING

Candidate Number _____

Evaluator: _____

Reference: NFPA 1001: (2019) 4.3.21

Operate an air monitoring instrument, given an air monitor and an assignment or task, so that the device is operated and the firefighter recognizes the high or low level alarms of the air monitor and takes action to mitigate the hazard.

Did the candidate, as instructed, demonstrate competency in the following:

| | <u>Deduction Points</u> |
|------------------------------------------------------------------------|--------------------------------|
| Demonstrate ability to turn monitor on and sample air | _____ 20 |
| Demonstrate ability to recognize low and high alarms | _____ 20 |
| Ability to communicate information to command | _____ 20 |
| Takes appropriate actions as directed by command to mitigate situation | _____ 20 |
| Wears proper PPE and breathing apparatus in hazard environment | _____ 20 |

Total Points Possible 100

Total Deductions _____

Score _____

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SKILL STATION 11

AWARENESS, CORE, PRODUCT CONTROL

Candidate Number _____ Evaluator _____

Reference: NFPA 1072 (2019 Version),

Chapter 4 Awareness – 4.2.1 (b), 4.3.1 (b) and 4.4.1 (b)

Chapter 5 Core Competencies 5.2.1 (b), 5.3.1 (b), 5.4.1 (b), 5.5.1 (b), and 5.6.1 (b)

Chapter Mission Specific Product Control 6.6.1 (b)

Recognize and identify the Haz Mat/WMD (4.2.1)

Isolate the hazard area and deny entry at a hazardous materials/WMD incident (4.3.1)

Initiate required notifications at a Haz Mat/WMD incident (4.4.1)

Identify the scope of the problem at a hazardous material/WMD incident (5.2.1)

Identify the action options for a Haz Mat/WMD incident (5.3.1)

Perform assigned task at a Haz mat/WMD incident (5.4.1)

Perform emergency decontamination at a Haz mat/WMD incident (5.5.1)

Evaluate and report the progress of the assigned tasks for a Haz mat/WMD incident (5.6.1)

Perform product control techniques with a limited risk of personal exposure at a Haz mat/WMD incident (6.6.1)

The candidate, given a written scenario incident to which he/she responds for the purpose of protecting nearby persons, the environment or property from the effects of the release, shall demonstrate the ability to (1) analyze the release to determine the problem scope and potential outcomes, (2) plan an initial response within the capabilities and competencies of available personnel and PPE, (3) implement the planned response to favorably change the outcome, and (4) evaluate the progress of actions taken to ensure that the response objectives are being met safely, effectively and efficiently.

SKILL STATION 11

Candidates will be provided documentation and information from one of our multiple scenarios that your evaluator will select. The following skill is an **ILLUSTRATIVE** example of those scenarios. Candidates will be required to complete this skill on an individual basis during the testing process. NOTE – You will be given three sub-skills within the scenario and will be required to complete two of those three.

A semi-tractor trailer has been off loading product to an above ground 20,000 gallon storage tank situated 50 feet north of a manufacturing building. The product is used in their pesticide products manufacturing process. Weather conditions, date and time of day are what they are during this test. The building has “tip up” 18 foot concrete walls, pitch and gravel roof with sky lights, a sprinkler and standpipe system, a fire alarm and public address system, and emergency exit doors on all sides of the building. Employee and public parking, delivery vehicle docks and the main office are on the building’s south side. A

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north/south four lane divided highway is 80 feet west of the building. There is vacant land to the east, and a fast food restaurant and gas station in the two lots north of the building. An unimproved driveway from

AWARENESS, CORE, PRODUCT CONTROL - CONTINUED

the highway to the storage tank was used by the delivery tanker which is parked on the north side and parallel with the storage tank.

Multiple 911 calls were being received by our dispatcher reporting that there is a large truck fire at the above location. Fire, law enforcement and EMS are dispatched. First arriving squads report fire under the semi truck's tank, fire consuming the truck tractor, and someone, possibly the driver, laying on the ground a few feet west of the tanker; he's not moving. The first arriving engine company confirms the officer's observations and notes that the two closest fire hydrants are about 400 feet south of the burning tanker and 200 feet north of the tanker, respectively, on the east side of the 4 lane highway. Preplans indicate a 12 inch water main with residual pressure of 70 p.s.i at 1750 g.p.m. A placard with UN 3346 is visible on the truck's tank. Parked passenger vehicles were noted in the company's parking lot.

The attached diagram shows the surrounding conditions for this incident. Your evaluator will provide additional details you request. Complete the Candidate's Worksheet. Be sure to print your candidate number on the first page; the Worksheet needs to be turned in after the evaluation.

SKILL STATION 11

AWARENESS, CORE, PRODUCT CONTROL - CONTINUED

Candidate Worksheet – Items that candidates need to consider and address.

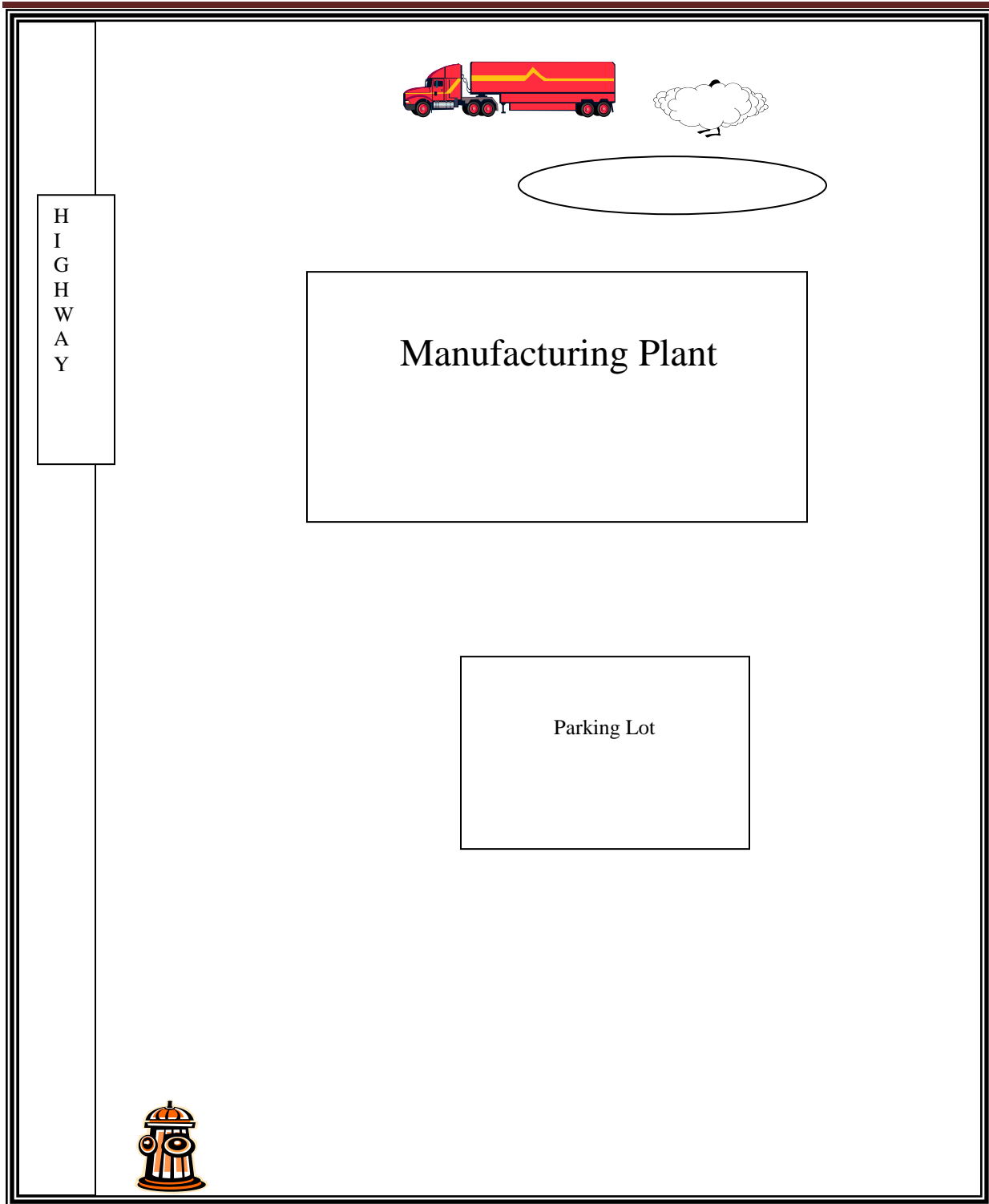
1. Analyzing the Release
 - a. Identify the type of container and the hazardous material
2. Evaluate surrounding conditions
3. Collect Hazard Information
4. What is the DOT Hazard Class & Division
5. What information resource assistance (agencies) is available?
6. Research results from the NA Emergency Response Guidebook
7. What's the potential for harm; what type of harms could result?
8. Response Objectives
 - a. What might be saved?
 - b. What resources may be needed?

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- c. How do we decide or select (steps) our response objectives?
 - d. What will be the risk to our responders if they attempt a victim rescue?
 - e. If we decide to mitigate the release, are there optional methods?
 - f. Options for product control
 - g. Will our PPE be adequate for the option you select?
 - h. Will there be a need to decontaminate our responders?
9. Response Implementation
- a. How can we secure the scene?
 - b. Resources needed and action plan for product control?
 - c. How do we determine our control zones such as hot, warm and cold?
 - d. What considerations are there in deciding to shelter in place vs. evacuation?
 - e. What is the basic Incident Management structure during the initial phase of this incident?
 - f. What first responder safety procedures are necessary for this incident?
10. Evaluating Progress
- a. How do we know if our response procedure is effective?
 - b. Under what circumstances would it be wise to withdraw?
 - c. What normal communication methods would be used?
 - d. What emergency communication methods should be ready?

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SKILL STATION 11

AWARENESS, CORE, PRODUCT CONTROL – SCORE SHEET

Release Analysis – Candidate identified:

| | |
|----------------------------------------------------------------------------|------------|
| Tank type | _____ 4 |
| The name of the hazardous material | _____ FAIL |
| Surrounding conditions | _____ 6 |
| Collecting Hazard and Response Information – Candidate identified: | |
| The corresponding UN/DOT hazard class & division | _____ 4 |
| Assistance that could be provided and methods to request it | _____ 4 |
| Hazard and response information from the NAERG | _____ 5 |
| The potential for and type of harm in the endangered area | _____ FAIL |
| Description of Response Objectives – Candidate described: | |
| Exposures that could be saved with available resources | _____ 4 |
| Steps for determining the response objectives | _____ 4 |
| How to assess the risk to responders rescuing injured person's | _____ 4 |
| Identify source of leak if applicable | _____ 4 |
| Control runoff using appropriate method (diking, damming, diverting, etc.) | _____ 5 |
| Procure proper absorbent, foam, or neutralizer as appropriate | _____ 5 |
| Elimination of ignition sources | _____ 5 |
| Options to accomplish a given response objective | _____ 4 |
| The suitability of PPE and anticipated exposure | _____ FAIL |
| The need to decontaminate exposed responders | _____ 5 |
| Implementing the Planned Response – Candidate identified: | |
| How to establish and enforce scene control | _____ 4 |
| The criteria for determining the control zone locations | _____ 4 |
| Considerations for shelter in place and/or evacuation | _____ 4 |
| The IMS elements needed the location of the incident command post | _____ 4 |
| Needed PPE, buddy system, & backup personnel | _____ 6 |
| Evaluating Progress – Candidate described: | |
| How to determine if response procedures are being effective | _____ 6 |
| Circumstances under which withdrawal would be prudent | _____ 4 |
| Normal and emergency communication methods | _____ 6 |

Total Points Possible 100

Total Deductions _____

Score _____