

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

## NFPA 1006 – 2013 Edition

### Prerequisites

A completed application and payment plan are required one week before taking the Confined Space I & II Certification test. The candidate should have the knowledge outlined in NFPA 1006, 2013 Edition, standard for Technical Rescuer. There are several ways to obtain the knowledge and skills necessary to pass the exam, such as a technical college program, an individual fire department training, home study, etc. The Minnesota Fire Service Certification Board does not provide any training nor do we provide examination reviews.

- Firefighter II certified (NFPA 2013 Version)
- First Responder or Higher
- Member of a Public Safety Organization that requires pre-employment physical and requires regularly scheduled physical examinations during employment.
- Technical Rescue/Ropes Level I or higher

### Standard

NFPA 1006, Standard for Technical Rescue Qualifications, 2013 Edition

The questions and skills tested are designed to test the candidate on the knowledge and proficiencies outlined in NFPA 1006, 2013 Edition. All questions in the written and skills test banks have been referred to a specific standard in NFPA 1006.

### Reference List (V9.0)

The textbooks and reference documents 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 these books:

- NFPA 1006, Standard for Rescue Technician Professional Qualifications 2013 Edition
- CMC, Confined Space Entry and Rescue, Revised 2nd Edition
- Jones & Bartlett Learning, Emergency Medical Responder, 5th Edition

### Test

The test is in two parts, a written test and a Skills Test. The written test is made up of 100 multiple-choice and True/False questions selected at random from a test bank of 194 questions. A score of 70% (adjusted by standard measurement of error) must be achieved in order to achieve a passing score. The Skills Test consists of the candidate demonstrating proficiency in six or more of the proficiencies required in the NFPA 1006 standard. Candidates will have 100 minutes (1 minute 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.

### Test Costs:

\$165.00

NOTE: Candidate must supply OSHA approved Protective Equipment and SCBA.

### Re-certification

- Every three years
- Provide documentation of 24 hours of training as a student or instructor, or any combination, in Technical Rescuer/Confined Space related courses or seminars.
  - 1.3.6 Rescuers at Level I and II shall remain current with technical rescue practices and applicable standards and shall demonstrate competency on an annual basis.
- Re-certification cost is \$25.00

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## Technical Rescuer – Confined Space I & II NFPA 1006 2013 Edition



### Requirements:

1. Prerequisite of Technical Rescuer/Ropes I
2. Candidate must also complete Rope Rescue I Skills
3. Completed application form and fee of \$165 (covers Ropes I also) is covered.
4. Candidate will be required to complete all Skill Stations.
5. Candidate is also responsible for providing and wearing OSHA and NFPA compliant Personal Protective Gear. Facial hair is limited per OSHA (mustache and goatee).

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## DEFINITIONS PERTINENT TO THE SKILLS TESTING (NFPA 1006, 2013 Edition)

**Confined Space:** An area large enough and so configured that a member can bodily enter and perform assigned work but which has limited or restricted means for entry and exit and is not designed for continuous human occupancy

**Confined Space Approach:** The means of approach to the entry of a confined space

**Confined Space Entry:** Includes ensuing work activities in a confined space and is considered to have occurred as soon as any part of the entrants body breaks the plane of an opening into the space

**Confined Space Entry Opening:** The port or opening used to enter a confined space

**Confined Space Entry Permit:** A written or printed document established by an employer in applicable U.S. federally regulated industrial facilities for non-rescue entry into confined spaces, that authorizes specific employees to enter a confined space and contains specific information as required

**Confined Space Rescue Preplan:** An informational document completed by rescue personnel pertaining to a specific space that should include, but is not limited to, information concerning the hazard abatement requirements, access to the space, size and type of entry openings, internal configuration of the space, and a suggested action plan for rescue of persons injured within the space

**Confined Space Rescue Team:** A combination of individuals trained, equipped, and available to respond to confined space emergencies

**Confined Space Retrieval Equipment:** Retrieval Equipment (Retrieval System)

**Hazardous Atmospheres:** Any atmosphere that can expose personnel to the risk of death, incapacitation, injury, acute illness, or impairment of ability to self rescue

**Isolation:** The process by which an area is rendered safe through mitigation of dangerous energy forms

**Pre-Entry Medical Exam:** A baseline medical evaluation to the rescue entrants performed immediately prior to a rescue entry

**Risk Benefit Analysis:** An assessment of the risk to rescuers versus the benefits that can be derived from their intended actions

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

## SKILL STATION 1 SCENE SIZE-UP AND INITIAL ACTIONS

**Candidate Number** \_\_\_\_\_

Evaluator: \_\_\_\_\_

**Reference:** NFPA 1006: (2013) 7.1.1, 7.1.1(b), 7.2.2, 7.2.2(b)

Criteria: You have been dispatched to the scene of a confined space emergency. You are to conduct a size-up so that existing and potential conditions are evaluated within the space and the rescue area; witnesses are interviewed; hazards are identified and mitigated; the probability of victim existence, number, condition, and location is determined; potential for rapid non-entry rescues or victim self rescue is recognized; and a risk benefit analysis is performed

	PASS	FAIL
1. Establishes ICS/Command. Performs a risk/benefit analysis and evaluates rescue vs. recovery considerations	_____	_____
2. Performs size-up using observations, victims, bystanders, entry permit, preplan information and any other available site information.	_____	_____
3. Ensures proper use of Personal Protective Equipment (PPE).	_____	_____
4. Utilizes a personnel accountability system.	_____	_____
5. Establishes safe operating zones. Appropriately places barricades or scene control tape to limit access to site.	_____	_____
6. Implements appropriate atmospheric monitoring.	_____	_____
7. Provides for ventilation of the space.	_____	_____
8. Controls sources of hazardous energy within the space and surroundings	_____	_____
9. Identifies and safely controls all present and potential hazards.	_____	_____
10. Determines all potential victim locations.	_____	_____
11. Provides for non-entry and/or self rescue of victim.	_____	_____
12. Evaluates rescue options. Identifies needed resources to accomplish rescue/recovery	_____	_____
13. Were tasks completed in a timely and SAFE manner?	_____	_____

("FAIL" indicates an automatic failure and requires documentation)

### EVALUATION

PASS/FAIL WILL BE DETERMINED BY "13" PASS MARKS ON TASKS      PASS                      FAIL

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## SKILL STATION 2

### AIR MONITORING AND VENTILATION

**Candidate Number** \_\_\_\_\_

Evaluator: \_\_\_\_\_

**Reference:** NFPA 1006: (2013) 7.1.1, 7.1.1(b), 7.1.2, 7.1.2(b)

**Criteria:** The candidate will implement atmospheric monitoring, interpret the monitoring data, and establish ventilation in support of the rescue operation.

	PASS	FAIL
1. Ensures proper/continued use of Personal Protective Equipment (PPE).	_____	_____
2. Selects appropriate air-monitoring equipment.	_____	_____
3. Checks and assures proper operation of selected equipment.	_____	_____
4. Provides a fresh air set-up or zeroes monitor	_____	_____
5. Monitors general area of the confined space starting on the upwind side.	_____	_____
6. Monitors atmosphere in space at appropriate levels.	_____	_____
7. Records findings on entry permit or atmospheric monitoring log.	_____	_____
8. Selects appropriate ventilation equipment.	_____	_____
9. Assures proper operation of ventilation equipment.	_____	_____
10. Properly establishes positive pressure ventilation of space.	_____	_____
11. Continues to monitor atmosphere in space and record findings.	_____	_____
12. Were all tasks completed in a SAFE manner?	_____	_____

("FAIL" indicates an automatic failure and requires documentation)

#### EVALUATION

PASS/FAIL WILL BE DETERMINED BY "12" PASS MARKS ON TASKS      PASS      FAIL

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## SKILL STATION 3 CONFINED SPACE HAZARD CONTROL

Candidate Number \_\_\_\_\_

Evaluator: \_\_\_\_\_

**Reference:** NFPA 1006: (2013) 7.1.1, 7.2.3, 7.2.3 (b)

**Criteria:** You have been given the assignment of isolating forms of hazardous energy (electrical, mechanical, pneumatic, hydraulic) in support of the rescue operation. You are to apply appropriate isolation techniques to the scenario presented utilizing the equipment provided.

---

	PASS	FAIL
1. Ensures proper/continued use of Personal Protective Equipment (PPE).	_____	_____
2. Appropriately identifies sources of hazardous energy to be isolated.	_____	_____
3. Selects appropriate equipment and/or techniques to isolate hazards as identified.	_____	_____
4. Applies selected equipment or techniques to hazards so as to isolate/control hazards and render equipment/space safe	_____	_____
5. Equipment/Techniques Utilized (check as appropriate)		
a. Lock-Out/Tag-Out	_____	_____
b. Double Block and Bleed	_____	_____
c. Misalignment	_____	_____
d. Blinding/Blanking	_____	_____
6. Confirms that hazard(s) have been isolated.	_____	_____
7. Informs Incident Commander when tasks are complete.	_____	_____
8. Were all tasks completed in a SAFE manner? (“FAIL indicates automatic failure and requires documentation)	_____	_____
<b><u>EVALUATION</u></b>		
PASS/FAIL WILL BE DETERMINED BY "8" YES MARKS ON TASKS.	_____	_____

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## SKILL STATION 4

### CONFINED SPACE ENTRY OPERATIONS

Candidate Number \_\_\_\_\_

Evaluator: \_\_\_\_\_

**Reference:** NFPA 1006: (2013) JPR 7.1.2, 7.1.2(b), 7.1.3, 7.1.3(b), 7.2.3, 7.2.3(b)

**Criteria:** You have been tasked with entering the space to perform the rescue operation. Functioning as a team you are to perform pre-entry medical screening of all entrants, determine rescuer suitability, properly don all related equipment, enter the confined space and locate the victim or victims.

---

	PASS	FAIL
1. Ensures proper/continued use of Personal Protective Equipment (PPE).	_____	_____
2. Pre-entry medical screening of rescuers performed to include baseline pulse, respiration, blood pressure measurement and general health status.	_____	_____
3. Rescuers not suitable for entry operations identified (if applicable).	_____	_____
4. Appropriate fall arrest/retrieval equipment selected and donned.	_____	_____
5. Appropriate respiratory protection (SCBA, SABA) selected and donned.	_____	_____
6. Communication plan and/or equipment identified.	_____	_____
7. Emergency evacuation signal identified.	_____	_____
8. Personal lighting equipment identified and utilized.	_____	_____
9. Retrieval line attached to harness and running end secured outside of space.	_____	_____
10. Pre-entry briefing performed.	_____	_____
11. Appropriate point of entry selected.	_____	_____
12. Opening negotiated and space entered without significant difficulty.	_____	_____
13. Victim contacted and communication established.	_____	_____
14. Incident command notified of status.	_____	_____
15. Were tasks completed in a timely and SAFE manner?	_____	_____

("FAIL" indicates an automatic failure and requires documentation)

### EVALUATION

PASS/FAIL WILL BE DETERMINED BY "15" PASS MARKS ON TASKS      PASS                      FAIL

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## SKILL STATION 5

### VICTIM ASSESSMENT, PACKAGING, REMOVAL

Candidate Number \_\_\_\_\_

Evaluator: \_\_\_\_\_

**Reference:** NFPA 1006: (2013) 7.1.3, 7.1.3(B), 7.1.4, 7.1.4(B), 7.1.5, 7.1.5(B)

Criteria: You have made victim contact after initial entry operations. You are now tasked with assessing, treating as appropriate, packaging and removing the victim from the space.

---

	PASS	FAIL
1. Ensures proper/continued use of Personal Protective Equipment.	_____	_____
2. Patient contact made and communication established.	_____	_____
3. Patient assessed for life threatening injuries.	_____	_____
4. Appropriate treatment initiated based on patient's condition.	_____	_____
5. Appropriate removal device or method selected.	_____	_____
6. Patient packaged and immobilized as best possible given size and configuration of space.	_____	_____
7. Appropriate removal method selected based on patient condition and configuration of space.	_____	_____
8. Patient safely removed from space without causing additional injury or excessively aggravating injuries.	_____	_____
9. Need for patient and rescuer decontamination considered.	_____	_____
10. Communications maintained with patient throughout evacuation if applicable).	_____	_____
11. Patient information relayed to EMS personnel.	_____	_____
12. Were all tasks completed in a SAFE manner?	_____	_____

("FAIL" indicates automatic failure and requires documentation)

### EVALUATION

PASS/FAIL WILL BE DETERMINED BY "12" YES MARKS ON TASKS.      PASS                      FAIL



# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## SKILL STATION 6 RESCUER REMOVAL AND TERMINATION

Candidate Number \_\_\_\_\_

Evaluator: \_\_\_\_\_

**Reference:** NFPA 1006: (2013) 7.1.5, 7.1.5 (b)

**Criteria:** You have just completed removal of a patient from a confined space rescue incident. Working as a team you are to remove all entrants from the space and properly terminate the incident.

---

	PASS	FAIL
1. Ensures proper/continued use of Personal Protective Equipment (PPE).	_____	_____
2. Maintains contact and communication with entrants.	_____	_____
3. Assures retrieval line/system is attached correctly and entrants are prepared to exit the space.	_____	_____
4. Operates selected retrieval system correctly.	_____	_____
5. Retrieval lines and air hoses managed during retrieval.	_____	_____
6. All entrants removed from space and disconnected from retrieval system.	_____	_____
7. Personnel and equipment decontaminated.	_____	_____
8. All equipment returned to state of readiness.	_____	_____
9. Space is secured and scene is rendered safe.	_____	_____
10. Confined space entry permit and/or other documentation completed.	_____	_____
11. Were all tasks completed in a SAFE manner?	_____	_____

("FAIL" indicates automatic failure and requires documentation)

### **EVALUATION**

PASS/FAIL WILL BE DETERMINED BY "11" YES MARKS ON TASKS.

PASS FAIL

# Minnesota Fire Service Certification Confined Space I & II Skills Testing

---

## SKILL STATION 7 PREPLAN A CONFINED SPACE INCIDENT

Candidate Number \_\_\_\_\_

Evaluator: \_\_\_\_\_

**Reference:** NFPA 1006: (2013) 7.2.1 (b)

Preplan a confined space incident, given applicable guidelines and regulations and a preplan form, so that a standard approach is used during a confined space rescue emergency, hazards are recognized and documented, isolation methods are identified and documented, all accesses to the location of the entry openings are identified and documented, all types of entry openings are identified and documented, and internal configurations and special resource needs are documented for future rescuer use.

**Criteria:** The candidate, given a confined space scenario along with proper forms will select the proper form and develop a preplan for the incident ensuring all criteria is met.

	PASS	FAIL
1. Hazards are noted on preplans	_____	_____
2. Access points and entry openings are delineated on preplan	_____	_____
3. Specific hazards such as utilities, chemicals, obstructions are noted on preplan	_____	_____
4. Preplan includes information specific to regulatory compliance	_____	_____
5. Preplan includes a professional sketch/drawing of the structure and site	_____	_____
6. Preplan includes information on site ownership, contact information, etc.	_____	_____
7. Preplan includes standard response protocols specific to identified hazards	_____	_____

("FAIL" indicates automatic failure and requires documentation)

### **EVALUATION**

PASS/FAIL WILL BE DETERMINED BY "11" YES MARKS ON TASKS.

PASS FAIL