

North Dakota Firefighter's Association Certification System

TECHNICAL RESCUE



CERTIFICATION STANDARD

For the following specialties:

- ❖ Technical Rescuer (chapter 5)
- ❖ Rope Rescue Level I/II (chapter 6)
- ❖ Confined Space Rescuer Level I/II (chapter 7)
- ❖ Trench Rescue Rescuer Level I/II (chapter 8)
- ❖ Structural Collapse Rescuer Level I/II (chapter 9)

2013 Standard



16 Firefighter Life Safety Initiatives

1. Define and advocate the need for a cultural change within the fire service relating to safety; incorporating leadership, management, supervision, accountability and personal responsibility.
2. Enhance the personal and organizational accountability for health and safety throughout the fire service.
3. Focus greater attention on the integration of risk management with incident management at all levels, including strategic, tactical, and planning responsibilities.
4. All firefighters must be empowered to stop unsafe practices.
5. Develop and implement national standards for training, qualifications, and certification (including regular recertification) that are equally applicable to all firefighters based on the duties they are expected to perform.
6. Develop and implement national medical and physical fitness standards that are equally applicable to all firefighters, based on the duties they are expected to perform.
7. Create a national research agenda and data collection system that relates to the initiatives.
8. Utilize available technology wherever it can produce higher levels of health and safety.
9. Thoroughly investigate all firefighter fatalities, injuries, and near misses.
10. Grant programs should support the implementation of safe practices and/or mandate safe practices as an eligibility requirement.
11. National standards for emergency response policies and procedures should be developed and championed.
12. National protocols for response to violent incidents should be developed and championed.
13. Firefighters and their families must have access to counseling and psychological support.
14. Public education must receive more resources and be championed as a critical fire and life safety program.
15. Advocacy must be strengthened for the enforcement of codes and the installation of home fire sprinklers.
16. Safety must be a primary consideration in the design of apparatus and equipment.



16 Firefighter Life Safety Initiatives

The 16 initiatives, listed on the preceding page, address the 6 root causes of firefighter injuries, close calls, and Line of Duty Death.

1. Ineffective policies and procedures.
2. Ineffective decision making.
3. Lack of preparedness.
4. Ineffective leadership.
5. Lack of personal responsibility.
6. Extraordinary and unpredictable circumstances.

For more information on the
Courage to Be Safe So Everyone Goes Home program
Contact NDFA
At: 701-222-2799

NDFA Firefighters Certification Committee

The NDFA Certification Committee is a 12-member committee, which consists of 9- members from the North Dakota fire service; the committee members function as liaison between the fire service and the North Dakota Firefighters Association Executive Board. Members of the committee are:

- NDFA 1st Vice President
- State Fire Marshal
- (1) A member from the North Dakota Fire Chief's Association that will serve a 2-year term.
- (1) A member from the North Dakota Fire Prevention Association that will serve a 2-year term.
- (1) A member from the North Dakota Instructor Society that will serve a 2-year term.
- (4) Four NDFA members at large, one member elected from each of the 4 training regions: NW, SW, NE, and SE: (their terms will mirror the Trustee from their region).
- (1) A member of the Fargo Fire Department (Delegated Authority).
- The NDFA Training Director will serve as compliance officer and serve the Certification Committee as a non-voting member of the committee.

North Dakota Firefighter's Association

Please direct North Dakota Firefighter certification questions and comments to:

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Please visit our Web site at: www.ndfa.net

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INTRODUCTION

The world we live in is changing so fast, and the many phases of the fire service are becoming so technical and complex that fire service training must be utilized to its maximum potential. Any overlap, fragmentation, and lack of basic structure must be eliminated. Standardization is the natural complement and necessity.

The fire service in North Dakota, through a state certification program, can meet the needs of future growth and establish uniformity through certification. We will then have more effective and efficient utilization of resources so as to provide the best possible fire protection service for all the citizens throughout the state of North Dakota.

The following certification requirements are based on the objectives listed in the National Fire Protection Association (NFPA) 1006 standard for Technical Rescuer Professional Qualifications, 2013 Edition, Chapters 5, 6, 7, 8, & 9 as verified and adopted by the NDFA Certification Committee.

Through these national standards and certification, firefighters and fire departments have a tool to measure specific levels of skills, abilities and knowledge. The NDFA Firefighters Certification Committee believe by participating in this certification program, firefighters and fire departments will be better prepared to provide quality life safety and fire protection for their communities.

CERTIFICATION REQUIREMENTS

Entrance Requirements:

Certification as a Technical Rescuer is a unique process. Qualification is specific to a specialty area. **For qualification, a rescuer shall receive and complete training on the job performance requirements in Chapter 5 and Chapter 6.1 (Rope Rescuer – Level I).** This is the prerequisite for all job performance requirements listed in all offered specialty areas (chapters 6.2 through 9). Technical rescuers will be identified by their specialty area and level of qualification (i.e., Rope Rescuer — Level I, Confined Space Rescuer—Level II, etc.).

Rescuers must:

- a. Receive and complete a Department Training Record for the Technical specialty area.
- b. Pass an "In House" practical skills examination.
- c. Meet any other training requirements/prerequisites as defined by the Certification Committee.
- d. Pass both written and practical skills Certification examination administered by evaluators appointed by the Certification Committee.
- e. Request Technical Rescue Certification for the specialty area completed.

The NDFA acknowledges the importance of and need for entrance requirements as listed in the NFPA 1001, *Standard on Fire Fighter Professional Qualifications*. Many agencies and departments have existing policies, regulations, etc. already in place regarding these requirements. The handling of entrance requirements is a **LOCAL MATTER**, outside the authority and jurisdiction of the NDFA. The NDFA will not check, test, evaluate or determine how individual agencies meet these requirements. Some departments have found it necessary to waive any type of entrance requirements due to their own special needs. As a local decision, this is permitted. However, due to the amount of physical, mental and emotional stress inherent in this profession, the **NDFA strongly recommends careful evaluation before altering or doing away with any existing entrance requirements.**

Physical Fitness Requirements:

The requirements listed in NFPA 1001, Chapter 4 are:

1. Meet the minimum educational requirements established by the authority having jurisdiction.
2. Meet the medical requirements of NFPA 1582, *Standard on Comprehensive Occupational Medical Program for Fire Departments*.
3. Physical fitness requirements for entry-level personnel shall be developed and validated by the authority having jurisdiction. Physical fitness requirements shall be in compliance with applicable Equal Employment Opportunity regulations and other legal requirements.

DEPARTMENT TRAINING

The position of a Technical Rescuer is one that requires a high level of skill and knowledge. The training that is given to and received by the candidate should be of the highest quality and degree. All training received must meet the requirements of NFPA 1006 Chapter 5 and at least one specialty area (chapters 6-9, 2013 edition) and the skills as approved by the Certification Committee contained within the NDFA Standard. All training received must be documented and recorded in the Training Record. All testing for Technical Rescue will be conducted following the Policies and Procedures of the NDFA.

Training for Technical Rescue can be obtained by completing one of the following training courses or methods to qualify to take the state Certification examination.

- Technical Rescue course in one of the following Technical Specialty areas: Ropes, Confined Space, Trench, Structural Collapse. A Training Record as given in this standard must be completed for each person.
- Department Based Training – Departments can create their own Technical Rescue course which meets the requirements as outlined in NFPA 1006 Chapter 5, plus the chapter containing the Technical Specialty areas contained in Chapter 6 -9, 2013 edition). A Training Record as given in this standard must be completed for each person involved in the department-based training.

The course material should be referenced to the following textbook to prepare the candidate to successfully pass the state certification examination.

Written Objectives:

The course material should be referenced to the following textbook(s) to prepare the candidate to successfully pass the State Certification examination.

Written objectives for Technical Rescue are covered in the following texts for each of the specialty areas:

Chapter 6, Rope Rescue:

> Jones & Bartlett, High Angle Rope Rescue Techniques, Levels I and II, 4th Ed.

Chapter 7, Structural Collapse Rescue:

> FEMA National US & R Response System, Structural Collapse Technician; and

> Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition

> J&B Learning, Emergency Medical Responder, 5th Edition

Chapter 8, Confined Space Rescue:

> CMC, Confined Space Entry and Rescue, Revised 2nd Ed; and

> J&B Learning, Emergency Medical Responder, 5th Edition

Chapter 9, Trench Rescue:

> Jones & Bartlett, Trench Rescue Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Manipulative Objectives:

There are numerous methods departments have used to help prepare their personnel for the written examination. Considering the elevated level of skill and knowledge that is required of a Rescue Technician, the Certification Committee recommends that the candidate participate in a comprehensive class and receive instruction on both manipulative skills and written requirements

Each participant **must** be trained and evaluated in the performance of **all**-manipulative skills as found in this certification standard.

Each of the manipulative skill objectives shall be completed swiftly, safely and with competence as defined below:

- **Swiftly** – Each manipulative skill objective must be completed within the allotted time.
- **Safely** – Each manipulative skill objective must be completed safely. Actions that could injure individual or damage equipment are unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **Competence** – Each manipulative skill objective is performed in accordance with the North Dakota Standard. This includes performing the proper steps as outlined in the respective JPR skill sheet. Competence will be measured in accordance with the NDFA manipulative skill objectives.

Department Training Officers:

For departments to enroll in the certification process, it is necessary for the department to assign training officers. It is recommended the department assign **at least two** personnel as training officers to coordinate and provide certification training.

Department training officers should be State Certified at the level they are teaching. In addition, the NDFA strongly recommends training officers be state certified at the Instructor I level.

Department training officers will be responsible for certification training. Their primary responsibility will be to teach, evaluate, and “In-House” test department personnel on the manipulative skill and evolution requirements for each level of certification training.

Departments who do not have certified personnel to act as training officers for certification training should contact the NDFA-Training Director at (701) 222-2799 for assistance in setting up and monitoring certification training.

Department Training Records:

Each candidate shall have a training record on file with the department, which indicates whether he/she has trained on all manipulative skill objectives. This record shall be signed off or initialed by a department training officer. Training records must indicate the date, instructor, and total number of hours trained for each manipulative skill objective. Departments shall use the one provided at the end of the section correlating to the standard for which he/she is attempting.

Department "In-House" Comprehensive Examination:

At the completion of the department’s manipulative skills training, the department is **required** to hold an “in-house” comprehensive examination for the level being trained. This is a comprehensive “In-House” test conducted by the department training officers or course instructors. This test is to ensure that skill mastery has been obtained from the beginning to the end of the training process, and to prepare participants for the state examination. Training officers may utilize other personnel to assist in administering the exam; however, all personnel assisting with the testing should be certified at the level they are “In-House” testing.

In-House testers shall follow the Tester Instruction sheet to provide for uniformity and fairness during the exam. It is recommended candidates be given two attempts at any skill. **If they fail on the second try, then they have failed the evaluation and are required to go through additional training by the department trainer.** No training, teaching, or coaching is allowed during the test. After the evaluation, using the test to teach and train is recommended.

If manipulative skill weaknesses are evident, the department shall conduct additional training and hold a new department “In-House” comprehensive examination. Only those candidates who successfully pass the department’s skills and fire ground evolutions “In-House” test will be allowed to participate in the state certification exam. Department training records must show all candidates have successfully passed the “In-House” examination.

CERTIFICATION EXAMINATIONS

After completion of the training process, the Fire Chief/Head of Department can request testing for the department. Using the “Request Examination” form in Appendix B. The Fire Chief/Head of Department may request a written examination and manipulative test for certification. A testing fee *may* be charged at the time of certification. A separate application must be sent to the NDFA for each attempt. Request forms must reach the NDFA no later than **30 days prior** to the examination date. The entire examination process must be completed within **1 year** of the **first** written exam date.

Written Examinations:

The written examinations are randomly generated, **20-30 question per level**, tests covering the written objectives of the Technical Rescue standard of NFPA 1006 (2013 ed.) in Chapters 5, 6, 7, 8, & 9. A minimum score of **70%** is required to pass the certification exam. Candidates failing the first attempt of the written exam will be permitted to retest no sooner than **30 days** from the date of the last exam. Three attempts are given to pass the exam. If a participant fails the written examination three times, he/she has failed the certification process and must wait **1 year** from the date of the last failed exam before re-entering the testing process. Exam results are forwarded to the Chief/Administrator within **30 days** following the receipt of the completed Exam.

Manipulative Skills “Spot Check” Examination:

This is a two-step examination. A department record check and the manipulative skills "spot check" examination. A certification tester appointed by the NDFA Certification Advisory Committee conducts the examination.

Training records are checked. If records are inadequate, corrective action must be taken before proceeding to the next step. The records must meet minimum requirements and are checked for the following:

- Participant has been trained in each manipulative skill for the level being evaluated.
- A department training officer has signed off each manipulative skill.
- Each trainee has passed a department "in-house" manipulative skills examination.

The manipulative skill "spot check" examination is graded on a 100% pass/fail basis. The test is graded in the following three areas:

Swiftly - Each manipulative skill objective must be completed within the allotted time.

Safely - Each manipulative skill objective must be completed safely. Conduct that could injure an individual or damage equipment is unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.

Competence - Each manipulative skill objective is performed in accordance with the Utah Standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the UFSCS manipulative skill objectives.

Participants are "spot checked" on three manipulative skills, or one scenario depending upon the level. The skills will be from NFPA 1006 (2013 ed.) Chapter 5 and the Technical Specialty areas in which the candidate has received training as contained in Chapter 6, 7, 8, or 9. No prior notification of which skill being tested will be given. Participants are given two attempts initially (if necessary) to perform each skill. If they fail on the second attempt, the applicants must wait 30 days before the third and final attempt. Participants taking third attempts will test on the skill they missed plus an additional skill from the section of the standard they failed during the previous two attempts. No training, teaching, or coaching is allowed during the state test.

Participants who have failed the third attempt of the written examination or the manipulative skills examination have failed the certification process and must wait 1 year from the date of the failed third attempt to re-enter state testing. The participant will begin testing with a new 1st attempt of the written examination.

When all requirements for certification have been met, applicants are eligible to be certified. The Chief/Administrator may apply to the North Dakota Firefighter’s Association for certification for those participants who have successfully completed the certification training/testing process. Request for state certification will be submitted to the NDFA using the "Request for Certification" form provided in Appendix C. The names are then checked against the official state records to ensure that everyone listed has met all requirements and prerequisites.

Operational Levels.

The AHJ shall establish written standard operating procedures (SOPs) consistent with one of the following operational levels for each of the disciplines defined in this document:

- a. **Level I.** This level shall apply to individuals who identify hazards, use equipment, and apply limited techniques specified in this standard to perform technical rescue operations.
- b. **Level II.** This level shall apply to individuals who identify hazards, use equipment, and apply advanced techniques specified in this standard to perform technical rescue operations.

TECHNICAL RESCUER CERTIFICATION PREREQUISITES:

Standard	Edition	Level	Prerequisites
1006	2013	Rope Rescue Level I	Sections 5.2 through 5.5
		Rope Rescue Level II	Section 6.1
		Confined Space Level I	Sections 5.2 through 5.5
		Confined Space Level II	Section 7.1
		Trench Rescue Level I	Sections 5.2 through 5.5
		Trench Rescue Level II	Section 8.1
		Structural Collapse Level I	Sections 5.2 through 5.5
		Structural Collapse Level II	Section 9.1

SECTION – I

**CHAPTER 5 – TECHNICAL RESCUER
JOB PERFORMANCE REQUIREMENTS**

Technical Rescuer Skills Assessment Skill Sheet #3

MANAGE INCIDENT HAZARDS

JPR: NFPA 1006-2013 edition, Section 5.2.3

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, applicable reference material, portable radio, and equipment pertinent to a rescue

Evaluator Equipment Required: Proper PPE

Read to Candidate: For this skill event, you will manage incident hazards, given scene control barriers, personal protective equipment, requisite equipment, and available specialized resources, so that all hazards are identified, resource application fits the operational requirements, hazard isolation is considered, risks to rescuers and victims are minimized, and rescue time constraints are taken into account.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|--|--|---|
| | | 1. All hazards are identified |
| | | 2. Resource applications fit the operational requirements |
| | | 3. Hazards were isolated to minimize risk to rescuers and victims |
| | | 4. Rescue time constraints were taken into account |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Technical Rescuer Skills Assessment Skill Sheet #5

INITIATE A DISCIPLINE SPECIFIC SEARCH

JPR: NFPA 1006-2013 edition, Section 5.2.5

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, applicable reference material, portable radio, and equipment pertinent to a search

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, you will initiate a discipline-specific search, given hazard-specific PPE, equipment pertinent to search mission, an incident location, and victim investigative information, so that search parameters are established; the victim profile is established; the entry and exit of all people either involved in the search or already within the search area are questioned and the information is updated and relayed to command; the personnel assignments match their expertise; all victims are located as quickly as possible; applicable technical rescue concerns are managed; risks to searchers are minimized; and all searchers are accounted for.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Search parameters are established |
| _____ | _____ | 2. Victim profile is established |
| _____ | _____ | 3. The entry and exit of all people either involved in the search or already within the search area are questioned and the information is relayed to command |
| _____ | _____ | 4. Personnel assignments match their expertise |
| _____ | _____ | 5. All victims are located as quickly as possible |
| _____ | _____ | 6. Applicable technical rescue concerns are managed |
| _____ | _____ | 7. Risks to searchers are minimized |
| _____ | _____ | 8. All searchers are accounted for |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

**Technical Rescuer Skills Assessment
Skill Sheet #7**

TERMINATE A TECHNICAL RESCUE OPERATION

JPR: NFPA 1006-2013 edition, Section 5.2.7

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, incident scenario, assigned resources, and site safety data

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, terminate a technical rescue operation, given an incident scenario, assigned resources, and site safety data, so that rescuer risk and site safety are managed, scene security is maintained, and custody transferred to a responsible party, personnel and resources are returned to a state of readiness, recordkeeping and documentation occur, and post event analysis is conducted.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

- | 1st Attempt | 2nd attempt | |
|-------------|-------------|--|
| _____ | _____ | 1. Hazard recognition |
| _____ | _____ | 2. Risk Analysis |
| _____ | _____ | 3. Use of site control equipment and methods |
| _____ | _____ | 4. Use of data collection and management systems |
| _____ | _____ | 5. Use of asset and personnel tracking systems |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

**Technical Rescuer Skills Assessment
Skill Sheet #19**

DIRECT A LOWERING OPERATION IN A LOW-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 5.5.8

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, rescue personnel, established lowering system, specified minimum travel distance for the load and a load.

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, direct a lowering operation in a high-angle environment, given rescue personnel, an established lowering system, a specified minimum travel distance for the load, and a load to be moved, so that the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, rope commands are used to direct the operation, and potential problems are identified, communicated, and managed.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Direct personnel using operational commands |
| _____ | _____ | 2. Analyzes system efficiency |
| _____ | _____ | 3. Manage movement of the load in a high-angle environment |
| _____ | _____ | 4. Identify safety concerns |
| _____ | _____ | 5. Perform a system safety check |

Candidate's Name: _____ Station: P _____ F _____ P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

**Technical Rescuer Skills Assessment
Skill Sheet #20**

CONSTRUCT A BELAY SYSTEM

JPR: NFPA 1006-2013 edition, Section 5.5.9

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, life safety rope, anchor system, rope rescue equipment

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, construct a belay system, given life safety rope, anchor systems, PPE, and rope rescue equipment, so that the system is capable of arresting a fall, a fall will not result in system failure, the system is not loaded unless actuated, actuation of the system will not injure or otherwise incapacitate the belayer, the belayer is not rigged into the equipment components of the system, and the system is suitable to the site and is connected to an anchor system and the load.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Select a belay system |
| _____ | _____ | 2. Wear appropriate task specific PPE |
| _____ | _____ | 3. Tie rescue knots with safety knots as required |
| _____ | _____ | 4. Perform rigging |
| _____ | _____ | 5. Attach to anchor system and load |
| _____ | _____ | 6. Perform system safety check |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

**Technical Rescuer Skills Assessment
Skill Sheet #21**

OPERATE A BELAY SYSTEM DURING A LOWERING OR RAISING OPERATION

JPR: NFPA 1006-2013 edition, Section 5.5.10

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, operating lowering or raising mechanical advantage system, specified minimum travel distance for the load, a belay system and a load

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, operate a belay system during a lowering or raising operation, given an operating lowering or raising mechanical advantage system, a specified minimum travel distance for the load, a belay system, and a load, so that the potential fall factor is minimized, the belay device system is not actuated during operation of the primary rope rescue system, the belay system is prepared for actuation at all times during the operation, the belayer is attentive at all times during the operation, the load's position is continually monitored, and the belayer moves the rope through the belay device as designed.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Don task specific PPE |
| _____ | _____ | 2. Tie approved knots |
| _____ | _____ | 3. Properly attach a belay line to a belay device |
| _____ | _____ | 4. Perform a system safety check |
| _____ | _____ | 5. Manage and communicate belay system status effectively |

Candidate's Name: _____ Station: P _____ F _____ P _____ F _____

1st Attempt

2nd attempt

Evaluator's Signature: _____

TECHNICAL RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 5 – Job Performance Requirements

NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Pre-Requisite								
Chapter 5							IDENTIFY NEEDED SUPPORT RESOURCES	1
							SIZE UP A RESCUE INCIDENT	2
							MANAGE INCIDENT HAZARDS	3
							MANGE RESOURCES IN A RESCUE INCIDENT	4
							INITIATE A DISCIPLINE SPECIFIC SEARCH	5
							PERFORM GROUND SUPPORT ACTIVITIES FOR HELICOPTER OPERATIONS	6
							TERMINATE A TECHNICAL RESCUE OPERATION	7
							TRIAGE VICTIMS	8
							MOVE A VICTIM IN A LOW-ANGLE ENVIRONMENT	9
							INSPECT AND MAINTAIN HAZARD-SPECIFIC PPE	10
							INSPECT AND MAINTAIN RESCUE EQUIPMENT	11
							DEMONSTRATE KNOTS, BENDS, AND HITCHES	12
							CONSTRUCT A SINGLE POINT ANCHOR SYSTEM	13
							PLACE EDGE PROTECTION	14
							CONSTRUCT A SIMPLE ROPE MECHANICAL ADVANTAGE SYSTEM	15
							DIRECT A TEAM IN THE OPERATION OF A SIMPLE ROPE MECHANICAL ADVANTAGE SYSTEM IN A LOW-ANGLE RAISING OPERATION	16

TECHNICAL RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 5 – Job Performance Requirements

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Chapter 5 (cont.)							FUNCTION AS A LITTER TENDER IN A LOW-ANGLE LOWERING OR RAISING OPERATION	17
							CONSTRUCT A LOWERING SYSTEM	18
							DIRECT A LOWERING OPERATION IN A LOW-ANGLE ENVIRONMENT	19
							CONSTRUCT A BELAY SYSTEM	20
							OPERATE A BELAY SYSTEM DURING A LOWERING OR RAISING OPERATION	21
							BELAY A LOAD IN A HIGH-ANGLE ENVIRONMENT	22
							CONDUCT A SYSTEM SAFETY CHECK	23

SECTION – II

CHAPTER 6 – ROPE RESCUE - Level I

JOB PERFORMANCE REQUIREMENTS

Rope Rescue Level I Skills Assessment

Skill Sheet #1

DIRECT A TEAM IN THE OPERATION OF A SIMPLE ROPE MECHANICAL ADVANTAGE SYSTEM IN A HIGH-ANGLE RAISING OPERATION

JPR: NFPA 1006-2013 edition, Section 6.1.1

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, rescue personnel, established rope rescue system incorporating a simple rope mechanical advantage system, a specified minimum travel distance for the load, a load to be moved, and an anchor system

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, direct a team in the operation of a simple rope mechanical advantage system in a high-angle raising operation, given rescue personnel, an established rope rescue system incorporating a simple rope mechanical advantage system, a specified minimum travel distance for the load, a load to be moved, and an anchor system, so that the movement is controlled, a reset is accomplished, the load can be held in place when needed, operating methods do not stress the system to the point of failure, commands are used to direct the operation and potential problems are identified, communicated, and managed.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

- | | | |
|-------------|-------------|----------------------------------|
| 1st Attempt | 2nd attempt | |
| _____ | _____ | 1. Directs personnel effectively |
| _____ | _____ | 2. Uses operational commands |
| _____ | _____ | 3. Analyzes system efficiency |
| _____ | _____ | 4. Identify safety concerns |
| _____ | _____ | 5. Perform system safety check |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

**Rope Rescue Level I Skills Assessment
Skill Sheet #2**

DIRECT A LOWERING OPERATION IN A HIGH-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 6.1.2

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, rescue personnel, established lowering system, specified minimum travel distance for the load and a load.

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, direct a lowering operation in a high-angle environment, given rescue personnel, an established lowering system, a specified minimum travel distance for the load, and a load to be moved, so that the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, rope commands are used to direct the operation, and potential problems are identified, communicated, and managed.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- ____ ____ 1. Direct personnel using operational commands
- ____ ____ 2. Analyzes system efficiency
- ____ ____ 3. Manage movement of the load in a high-angle environment
- ____ ____ 4. Identify safety concerns
- ____ ____ 5. Perform a system safety check

Candidate's Name: _____ Station: P _____ F _____ P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Rope Rescue Level I Skills Assessment Skill Sheet #4

CONSTRUCT A COMPOUND ROPE MECHANICAL ADVANTAGE SYSTEM

JPR: NFPA 1006-2013 edition, Section 6.1.4

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, a load, an anchor system, life safety rope, carabiners, pulleys, rope grab devices, and rope rescue equipment

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, construct a compound rope mechanical advantage system, given a load, an anchor system, life safety rope, carabiners, pulleys, rope grab devices, and rope rescue equipment, so that the system constructed accommodates the load and reduces the force required to lift the load, operational interference is factored and minimized, the system is efficient, a system safety check is completed, and the system is connected to an anchor system and the load.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Determines incident needs as related to choosing compound rope systems |
| _____ | _____ | 2. Select effective knots |
| _____ | _____ | 3. Calculate expected loads |
| _____ | _____ | 4. Evaluate incident operations as related to interference concerns and setups |
| _____ | _____ | 5. Perform system safety check |
| _____ | _____ | 6. Evaluate system components for compromised integrity |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Rope Rescue Level I Skills Assessment Skill Sheet #5

CONSTRUCT A FIXED ROPE SYSTEM

JPR: NFPA 1006-2013 edition, Section 6.1.5

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, anchor system, life safety rope, rope rescue equipment

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, construct a fixed rope system, given an anchor system, a life safety rope, and rope rescue equipment, so that the system constructed can accommodate the load, is efficient, and is connected to an anchor system and the load, and a system safety check is performed, and the results meet the incident requirements for descending or ascending operations.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Select effective knots |
| _____ | _____ | 2. Calculate expected loads |
| _____ | _____ | 3. Evaluate operational interference concerns and setup |
| _____ | _____ | 4. Perform system safety check |
| _____ | _____ | 5. Evaluate system components for compromised integrity |

Candidate's Name: _____ Station: P _____ F _____

1st Attempt

2nd attempt

Evaluator's Signature: _____

Rope Rescue Level I Skills Assessment

Skill Sheet #7

ASCEND A FIXED ROPE IN A HIGH-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 6.1.7

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, anchored fixed rope system, specified minimum distance for the rescuer, system to allow ascent of a fixed rope, a structure, a belay system and life safety harness.

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, ascend a fixed rope in a high-angle environment, given an anchored fixed rope system, a specified minimum distance for the rescuer, a system to allow ascent of a fixed rope, a structure, a belay system, a life safety harness worn by the person ascending, and PPE, so that the person ascending is secured to the fixed rope in a manner that will not allow him or her to fall; the person ascending is attached to the rope by means of an ascent control device(s) with at least two points of contact; injury to the person ascending is minimized; the person ascending can stop at any point on the fixed rope and rest suspended by his or her harness; the system will not be stressed to the point of failure; the person ascending can convert his or her ascending system to a descending system; obstacles are negotiated; the system is suitable for the site; and the objective is reached.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Select and use rescuer harness |
| _____ | _____ | 2. Select proper PPE |
| _____ | _____ | 3. Use a system for ascending a fixed rope |
| _____ | _____ | 4. Use of ascent control devices |
| _____ | _____ | 5. Minimum of 2 connections from rescuer harness to the fixed rope system |
| _____ | _____ | 6. Maneuver around existing environmental and system specific obstacles |
| _____ | _____ | 7. Convert the ascending system to a descending system while suspended from the fixed rope; and evaluate surroundings for potential hazards. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

SECTION – II

CHAPTER 6 – ROPE RESCUE - Level II

JOB PERFORMANCE REQUIREMENTS

**Rope Rescue Level II Skills Assessment
Skill Sheet #1**

COMPLETE AN ASSIGNMENT WHILE SUSPENDED FROM A ROPE RESCUE SYSTEM IN A HIGH-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 6.2.1

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, portable radio, and requisite equipment

Evaluator Equipment Required: Proper PPE

Read to Candidate:

Complete an assignment while suspended from a rope rescue system in a high-angle environment, given a rope rescue system, an assignment, life safety harnesses, litters, bridles, and specialized equipment necessary for the environment, so that risks to victims and rescuers are minimized; the means of attachment to the rope rescue system is secure; selected specialized equipment facilitates efficient rescuer movement; and specialized equipment does not unduly increase risks to rescuers or victims.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Selects and uses proper harness and PPE for the environment |
| _____ | _____ | 2. Attach harness to rope rescue system |
| _____ | _____ | 3. Maneuver around existing environmental and system specific obstacles |
| _____ | _____ | 4. Movement of system is controlled |
| _____ | _____ | 5. Performed work while suspended from rope rescue system |
| _____ | _____ | 6. Evaluated surroundings for potential hazards |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Rope Rescue Level II Skills Assessment Skill Sheet #2

MOVE A VICTIM IN A HIGH-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 6.2.2

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, rope rescue system, a specified minimum travel distance for the litter tender, life safety harnesses, litters, bridles, and specialized equipment necessary for the environment

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, you will manage the movement of the victim as the rescuer in a high-angle environment, given a rope rescue system, a specified minimum travel distance for the victim, victim transfer devices, and specialized equipment necessary for the environment, so that risks to victims and rescuers are minimized; undesirable victim movement within the transfer device is minimized; the means of attachment to the rope rescue system is maintained; the victim is removed from the hazard; selected specialized equipment facilitates efficient victim movement; and the victim can be transported to the local EMS provider.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Selects and uses proper PPE for the conditions |
| _____ | _____ | 2. Choose proper patient transfer devices |
| _____ | _____ | 3. Attach transfer device to rope rescue system |
| _____ | _____ | 4. Hazards reduced for rescuer(s) and victim(s) |
| _____ | _____ | 5. Determined specialized equipment needs for victim movement |

Candidate's Name: _____ Station: P _____ F _____ P _____ F _____
1st Attempt
2nd attempt

Evaluator's Signature: _____

**Rope Rescue Level II Skills Assessment
Skill Sheet #3**

**FUNCTION AS A LITTER TENDER IN A HIGH-ANGLE LOWERING OR RAISING
OPERATION**

JPR: NFPA 1006-2013 edition, Section 6.2.3

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, rope rescue system, specified minimum travel distance for the litter tender, life safety harness, litters, bridles, and specialized equipment necessary for the environment

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, perform the activities of a litter tender in a high-angle lowering or raising operation, given a rope rescue system, a specified minimum travel distance for the litter tender, life safety harnesses, litters, bridles, and specialized equipment necessary for the environment, so that risks to victims and rescuers are minimized; the means of attachment to the rope rescue system is secure; and the travel path is negotiated while minimizing risks to equipment or persons.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-----|-----|---|
| ___ | ___ | 1. Uses proper PPE |
| ___ | ___ | 2. Attaches life safety harness to the rope rescue system |
| ___ | ___ | 3. Maneuver the litter past obstacles |
| ___ | ___ | 4. Manage the litter while attached to the rope rescue system |
| ___ | ___ | 5. Evaluate surroundings for potential hazards |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

Rope Rescue Level II Skills Assessment Skill Sheet #4

DIRECT A TEAM IN TO REMOVE A VICTIM SUSPENDED FROM ROPE OR WEBBING IN A HIGH-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 6.2.4

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE and system for removal of the victim

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, Direct a team in the removal of a victim suspended from rope or webbing in a high-angle environment, given a victim suspended by a harness attached to anchored rope or webbing, devices for removal of the victim from the rope or webbing, and a means of removal of the victim to the ground or other safe area, so that risks to victims and rescuers are minimized, injury to the victim is minimized, the means of attachment to the rope rescue system is maintained, the victim is removed from the rope or webbing, and the victim is brought to a safe area for transfer to EMS.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Construct system for rapid removal of stranded victim suspended |
| _____ | _____ | 2. Manage operation of the rope rescue system |
| _____ | _____ | 3. Triage victim(s) |
| _____ | _____ | 4. Minimizes hazards for rescuers and victims |
| _____ | _____ | 5. Determine specialized equipment needs for victim removal |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Rope Rescue Level II Skills Assessment Skill Sheet #5

DIRECT A TEAM IN THE CONSTRUCTION OF A ROPE RESCUE SYSTEM INTENDED TO MOVE A SUSPENDED RESCUE LOAD HORIZONTALLY

JPR: NFPA 1006-2013 edition, Section 6.2.5

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, life safety rope, rope rescue equipment and a suitable anchor

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, participate as a member of a team in the construction of a rope rescue system intended to move a suspended rescue load along a horizontal path to avoid an obstacle, given rescue personnel, life safety rope, rope rescue equipment, and a suitable anchor capable of supporting the load, so that personnel assignments are made and clearly communicated; the system constructed can accommodate the load; tension applied within the system will not exceed the rated capacity of any of its components' parts; a system safety check is performed; movement on the load is efficient; and loads can be held in place or moved with minimal effort over the required distance.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Uses proper PPE |
| _____ | _____ | 2. Determines incident needs as related to construction of a system |
| _____ | _____ | 3. Evaluates incident site as related to interference concerns and setup |
| _____ | _____ | 4. Identifies obstacles to avoid |
| _____ | _____ | 5. Selects a system for the defined task |
| _____ | _____ | 6. Limits excessive force to system components |
| _____ | _____ | 7. Communicates with personnel effectively |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

**Rope Rescue Level II Skills Assessment
Skill Sheet #6**

**DIRECT A TEAM IN THE OPERATION OF A ROPE RESCUE SYSTEM TO MOVE A
SUSPENDED RESCUE LOAD HORIZONTALLY**

JPR: NFPA 1006-2013 edition, Section 6.2.6

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE, life safety rope, rope rescue equipment and a suitable anchor

Evaluator Equipment Required: Proper PPE

Read to Candidate:

Direct a team in the operation of a rope system to move a suspended rescue load along a horizontal path, given rescue personnel, an established system, a target for the load, a load to be moved, and personal protective equipment, so that the movement is controlled; the load is held in place when needed; operating methods do not stress the system to the point of failure; personnel assignments are made; tasks are communicated; and potential problems are identified, communicated and managed.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Uses proper PPE |
| _____ | _____ | 2. Determines incident needs |
| _____ | _____ | 3. Complete system safety check |
| _____ | _____ | 4. Evaluate system components for integrity |
| _____ | _____ | 5. Selects and communicates with personnel effectively |
| _____ | _____ | 6. Manage movement of the load |
| _____ | _____ | 7. Evaluate for potential problems |

Candidate’s Name: _____ Station: P _____ F _____ P _____ F _____
1st Attempt2nd attempt

Evaluator’s Signature: _____

Rope Rescue Level II Skills Assessment Skill Sheet #7

ACCESS A VICTIM IN A HIGH-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 6.2.7

Reference: High-Angle Rope Rescue Techniques: Levels I and II, 4th Edition

Candidate Equipment Required: Proper PPE and rope rescue system

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, access a victim in a high-angle environment using techniques that require rescuers to climb up or down natural or manmade structures given a belay, a belay system, or other mechanisms, so that the risks from a fall are minimized or eliminated; the patient is accessed; and the objective is achieved.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Construct system for rapid removal of stranded victim suspended |
| _____ | _____ | 2. Manage operation of the rope rescue system |
| _____ | _____ | 3. Minimizes fall potential and factors for rescuers and victims |
| _____ | _____ | 4. Objective achieved |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

ROPE RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 6 – Level I

PRINT NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Level I							DIRECT A TEAM IN THE OPERATION OF A SIMPLE ROPE MECHANICAL ADVANTAGE SYSTEM IN A HIGH-ANGLE RAISING OPERATION	1
							DIRECT A LOWERING OPERATION IN A HIGH-ANGLE ENVIRONMENT	2
							CONSTRUCT A MULTIPLE-POINT ANCHOR SYSTEM	3
							CONSTRUCT A COMPOUND ROPE MECHANICAL ADVANTAGE SYSTEM	4
							CONSTRUCT A FIXED ROPE SYSTEM	5
							DIRECT THE OPERATION OF A COMPOUND ROPE MECHANICAL ADVANTAGE SYSTEM IN A HIGH-ANGLE ENVIRONMENT	6
							ASCEND A FIXED ROPE IN A HIGH-ANGLE ENVIRONMENT	7
							DESCEND A FIXED ROPE IN A HIGH-ANGLE ENVIORNMENT	8

ROPE RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 6 – Level II

PRINT NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Level II							COMPLETE AN ASSIGNMENT WHILE SUSPENDED FROM A ROPE RESCUE SYSTEM IN A HIGH-ANGLE ENVIRONMENT	1
							MOVE A VICTIM IN A HIGH-ANGLE ENVIRONMENT	2
							FUNCTION AS A LITTER TENDER IN A HIGH-ANGLE LOWERING OR RAISING OPERATION	3
							DIRECT A TEAM IN TO REMOVE A VICTIM SUSPENDED FROM ROPE OR WEBBING IN A HIGH-ANGLE ENVIRONMENT	4
							DIRECT A TEAM IN THE CONSTRUCTION OF A ROPE RESCUE SYSTEM INTENDED TO MOVE A SUSPENDED RESCUE LOAD HORIZONTALLY	5
							DIRECT A TEAM IN THE OPERATION OF A ROPE RESCUE SYSTEM TO MOVE A SUSPENDED RESCUE LOAD HORIZONTALLY	6
							ACCESS A VICTIM IN A HIGH-ANGLE ENVIRONMENT	7
							ISOLATE AND MANAGE HARMFUL ENERGY SOURCES	8

SECTION – III

CHAPTER 7 – CONFINED SPACE - Level I

JOB PERFORMANCE REQUIREMENTS

Confined Space Level I Skills Assessment Skill Sheet #5

REMOVE ALL ENTRANTS FROM A CONFINED SPACE

JPR: NFPA 1006-2013 edition, Section 7.1.5

Reference: CMC, Confined Space Entry and Rescue Manual, Revised 2nd Edition
Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Proper PPE, confined space prop, confined space rescue tool kit, detection and monitoring equipment, safety, communication, and operational protocols.

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, you will remove all entrants from a confined space, given personal protective equipment, rope and related rescue and retrieval systems, personnel to operate rescue and retrieval systems, and a confined space rescue tool kit, so that internal obstacles and hazards are negotiated, all persons are extricated from a space in the selected transfer device, the victim and rescuers are decontaminated as necessary, and the victim is delivered to the EMS provider.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt	2nd attempt	
		1. Selected and used proper personal protective equipment,
		2. Selected and operated rescue and retrieval systems for victim removal.
		3. Correctly utilized medical equipment as needed.
		4. Following local protocols, used decontamination equipment correctly as needed.
		5. Patient transferred to EMS provider following applicable local protocols.

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

SECTION – III

CHAPTER 7 – CONFINED SPACE - Level II

JOB PERFORMANCE REQUIREMENTS

Confined Space Level II Skills Assessment Skill Sheet #1

PREPLAN A CONFINED SPACE INCIDENT

JPR: NFPA 1006-2013 edition, Section 7.2.1

Reference: CMC, Confined Space Entry and Rescue Manual, Revised 2nd Edition
Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Safety, communication, and operational protocols, preplan forms

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, you will 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 opening 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.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Selected and completed appropriate preplan forms. |
| _____ | _____ | 2. Form included sketch of confined spaces. |
| _____ | _____ | 3. Identified and evaluated various configurations of confined spaces, access points, entry openings, isolation procedures, and energy control locations. |
| _____ | _____ | 4. Recognized general and site-specific hazards. |
| _____ | _____ | 5. All data documented. |
| _____ | _____ | 6. Applied all regulatory compliance references. |

Candidate's Name: _____ Station: P _____ F _____ P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

CONFINED SPACE RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 7 – Level I

PRINT NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Pre-Requisite							SECTIONS 5.2 THROUGH 5.5 OF NFPA 1006	Section I
Chapter 7 LEVEL I							CONDUCT MONITORING OF THE ENVIRONMENT	1
							PREPARE FOR ENTRY INTO THE CONFINED SPACE	2
							ENTER INTO THE CONFINED SPACE	3
							PACKAGE VICTIM FOR REMOVAL FROM A CONFINED SPACE	4
							REMOVE ALL ENTRANTS FROM A CONFINED SPACE	5

CONFINED SPACE RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 7 – Level II

PRINT NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Pre-Requisite							CHAPTER 7 – LEVEL I	
Chapter 7 LEVEL II							PREPLAN A CONFINED SPACE INCIDENT	1
							ASSESS THE INCIDENT	2
							CONTROL HAZARDS	3

SECTION – IV

CHAPTER 8 – TRENCH RESCUE - Level I

JOB PERFORMANCE REQUIREMENTS

Trench Rescue Level I Skills Assessment

Skill Sheet #1

CONDUCT A SIZE-UP OF A COLLAPSED TRENCH

JPR: NFPA 1006-2013 edition, Section 8.1.1

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will conduct a size-up of a collapsed trench, given an incident and background information and applicable reference material, so that the size-up is conducted within the scope of the incident management system; the existing and potential conditions are evaluated within the trench and the rescue area; general hazards are identified; a witness or "competent person" is secured; the probability of victim existence, number, condition, and location is determined; potential for rapid, nonentry rescues or victim self-rescue is recognized; needed personnel, supply, and equipment resources are evaluated; and utility involvement and location are determined.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Dimensions of the trench are determined. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Determined category of soil. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Identified type and degree of collapse. |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Identified severe environmental conditions with implications for secondary collapse and victim survivability. |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Interviewed witnesses ("competent persons"). |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Implemented protocols and resource acquisition agreements. |
| <input type="checkbox"/> | <input type="checkbox"/> | 7. Notified public works for utility location. |
| <input type="checkbox"/> | <input type="checkbox"/> | 8. Performed a risk–benefit analysis to identify response mode. |
| <input type="checkbox"/> | <input type="checkbox"/> | 9. Implemented incident command system. |
| <input type="checkbox"/> | <input type="checkbox"/> | 10. Applied appropriate regulations, policies, and standards. |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

**Trench Rescue Level I Skills Assessment
Skill Sheet #2**

IMPLEMENT A TRENCH EMERGENCY ACTION PLAN

JPR: NFPA 1006-2013 edition, Section 8.1.2

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will implement a trench emergency action plan, given size-up information and a trench incident, so that initial size-up information is utilized; pre-briefing is given to rescuers; documentation is ongoing; the collapse zone is established; a risk–benefit analysis is conducted; rapid, nonentry rescues or victim self-rescues are performed; the rescue area and general area are made safe; strategy and tactics are confirmed and initiated for existing and potential conditions; rapid intervention team and operational tasks are assigned; other hazards are mitigated; rescue resources are staged; and a protective system is being utilized. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Used and documented tactical worksheets. |
| _____ | _____ | 2. Disseminated information to rescue team. |
| _____ | _____ | 3. Successfully described mechanics and extent of collapse effects. |
| _____ | _____ | 4. Performed risk–benefit analysis. |
| _____ | _____ | 5. Performed rapid, nonentry rescues as needed. |
| _____ | _____ | 6. Mitigated hazards by isolation, removal, or control. |
| _____ | _____ | 7. Chose strategy and tactics that enhanced successful outcome. |
| _____ | _____ | 8. Implemented incident management system and resource staging. |
| _____ | _____ | 9. Applied isolation and/or protective system promptly to surround victim. |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

Trench Rescue Level I Skills Assessment Skill Sheet #3

IMPLEMENT SUPPORT OPERATIONS AT TRENCH EMERGENCIES

JPR: NFPA 1006-2013 edition, Section 8.1.3

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will be given an assignment, and equipment and other resources, so that a resource cache is managed, scene lighting is provided for the tasks to be undertaken, environmental concerns are managed, a cut station is established, supplemental power is provided for all equipment, atmospheric monitoring and ventilation are implemented, personnel rehab is facilitated, operations proceed without interruption, extrication methods are in place, and the support operations facilitate rescue operational objectives. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Managed equipment inventory. |
| _____ | _____ | 2. Established power supply. |
| _____ | _____ | 3. Acquired and established appropriate lighting. |
| _____ | _____ | 4. Choose and deployed dewatering techniques. |
| _____ | _____ | 5. Acquired or constructed shelter and thermal protection. |
| _____ | _____ | 6. Selected rehab areas and set-up personnel rotations. |
| _____ | _____ | 7. Operated atmospheric monitoring and ventilation equipment. |
| _____ | _____ | 8. Performed patient packaging and removal. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

**Trench Rescue Level I Skills Assessment
Skill Sheet #4**

SUPPORT A NONINTERSECTING STRAIGHT WALL TRENCH

JPR: NFPA 1006-2013 edition, Section 8.1.4

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will support a nonintersecting straight wall trench of 2.4 m (8 ft) or less as a member of a team, given size-up information, an action plan, a trench tool kit, and an assignment, so that strategies to minimize the further movement of soil are implemented effectively; trench walls, lip, and spoil pile are monitored continuously; rescue entry team(s) remains in a safe zone; any slough-in and wall shears are mitigated; emergency procedures and warning systems are established and understood by participating personnel; incident-specific personal protective equipment is utilized; physical hazards are identified and managed; victim and rescuer protection is maximized; victim extrication methods are considered; and a rapid intervention team is staged. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Interpreted tabulated data information and tables. |
| _____ | _____ | 2. Placed shoring and shielding systems appropriately |
| _____ | _____ | 3. Installed supplemental shoring appropriately. |
| _____ | _____ | 4. Established emergency protocols and warning systems. |
| _____ | _____ | 5. Chose appropriate methods to stabilize trench. |
| _____ | _____ | 6. Properly used personal protective equipment. |
| _____ | _____ | 7. Anticipated extrication logistics (verbalized). |
| _____ | _____ | 8. Safe zone identified. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Trench Rescue Level I Skills Assessment

Skill Sheet #5

RELEASE A VICTIM FROM SOIL ENTRAPMENT

JPR: NFPA 1006-2013 edition, Section 8.1.5

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will release a victim from soil entrapment by components of a nonintersecting collapsed trench of 2.4 m (8 ft) or less in depth, given personal protective equipment, a trench rescue tool kit, and specialized equipment, so that hazards to rescue personnel and victims are minimized, considerations are given to crush syndrome and other injuries, techniques are used to enhance patient survivability, tasks are accomplished within projected time frames, and techniques do not compromise the integrity of the existing trench shoring system. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- ____ _____ 1. Selected, used, and cared for personal protective equipment.
- ____ _____ 2. Operated rescue tools and stabilization systems.
- ____ _____ 3. Identified crush syndrome clinical settings.
- ____ _____ 4. Completed risk–benefit assessments for selected methods of rescue and time restraints.

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Trench Rescue Level I Skills Assessment

Skill Sheet #7

DISASSEMBLE SUPPORT SYSTEMS AT A TRENCH EMERGENCY INCIDENT

JPR: NFPA 1006-2013 edition, Section 8.1.7

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will disassemble support systems at a trench emergency incident, given personal protective equipment, trench tool kit, and removal of victim(s), so that soil movement is minimized, all rescue equipment is removed from the trench, sheeting and shoring are removed in the reverse order of their placement, emergency protocols and safe zones in the trench are adhered to, rescue personnel are removed from the trench, the last supporting shores are pulled free with ropes, equipment is cleaned and serviced, reports are completed, and a post briefing is performed. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Selected, used, and cared for personal protective equipment. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Removed equipment and protective systems. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Used trench safety protocols. |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Cleaned and serviced equipment as needed. |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Performed an incident debriefing. |

Candidate's Name: _____ Station: P F
1st Attempt 2nd attempt

Evaluator's Signature: _____

SECTION – IV

CHAPTER 8 – TRENCH RESCUE - Level II

JOB PERFORMANCE REQUIREMENTS

**Trench Rescue Level II Skills Assessment
Skill Sheet #1**

SUPPORT AN INTERSECTING TRENCH

JPR: NFPA 1006-2013 edition, Section 8.2.1

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will support an intersecting trench as a member of a team, given size-up information and an action plan, a trench tool kit, and an assignment, so that strategies to minimize the further movement of soil are implemented effectively; trench walls, lip, and spoil pile are monitored continuously; rescue entry team(s) in the trench remains in a safe zone; any slough-in and wall shears are mitigated; emergency procedures and warning systems are established and understood by participating personnel; incident-specific personal protective equipment is utilized; physical hazards are identified and managed; victim protection is maximized; victim extrication methods are considered; and a rapid intervention team is staged. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

- | 1st Attempt | 2nd attempt | |
|-------------|-------------|---|
| _____ | _____ | 1. Interpreted tabulated data information and tables. |
| _____ | _____ | 2. Placed shoring and shielding systems appropriately |
| _____ | _____ | 3. Identified type of intersecting trench. |
| _____ | _____ | 4. Established emergency protocols and warning systems. |
| _____ | _____ | 5. Chose appropriate methods to stabilize trench. |
| _____ | _____ | 6. Properly used personal protective equipment. |
| _____ | _____ | 7. Anticipated extrication logistics (verbalized). |
| _____ | _____ | 8. Safe zone identified. |

Candidate's Name: _____ Station: P _____ F _____ P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

**Trench Rescue Level II Skills Assessment
Skill Sheet #2**

INSTALL SUPPLEMENTAL SHEETING AND SHORING

JPR: NFPA 1006-2013 edition, Section 8.2.2

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will install supplemental sheeting and shoring for each 2 ft (0.61 m) of depth dug below an existing approved shoring system, given size-up information, an action plan, and a trench tool kit, so that the movement of soil is minimized effectively, initial trench support strategies are facilitated, rescue entry team safe zones are maintained, excavation of entrapping soil is continued, victim protection is maximized, victim extrication methods are considered, and a rapid intervention team is staged. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Interpreted tabulated data information and tables. |
| _____ | _____ | 2. Placed shoring and shielding systems appropriately. |
| _____ | _____ | 3. Identified supplemental sheeting and shoring needs. |
| _____ | _____ | 4. Established emergency protocols and warning systems. |
| _____ | _____ | 5. Chose appropriate methods to stabilize trench. |
| _____ | _____ | 6. Identified exposure to hazards within the trench relative to existing safe zones. |
| _____ | _____ | 7. Properly used personal protective equipment. |
| _____ | _____ | 8. Anticipated extrication logistics (verbalized). |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Trench Rescue Level II Skills Assessment
Skill Sheet #3

CONSTRUCT LOAD STABILIZATION SYSTEMS

JPR: NFPA 1006-2013 edition, Section 8.2.3

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will construct load stabilization systems, given an assignment, personal protective equipment, and a trench tool kit, so that the stabilization system will support the load safely, the system is stable, and the assignment is completed. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------------|-------------|---|
| <u> </u> | <u> </u> | 1. Selected and constructed stabilization system. |
| <u> </u> | <u> </u> | 2. Evaluated and determined structural integrity of the system. |
| <u> </u> | <u> </u> | 3. Calculated the load limit of the system. |

Candidate's Name: _____ Station: P F
1st Attempt 2nd attempt

Evaluator's Signature: _____

Trench Rescue Level II Skills Assessment
Skill Sheet #4

LIFT A LOAD

JPR: NFPA 1006-2013 edition, Section 8.2.4

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will Lift a load, given a trench tool kit, so that the load is lifted the required distance to gain access; settling or dropping of the load is prevented; control and stabilization are maintained before, during, and after the lift; and operational objectives are attained. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. Evaluated and estimated the weight of the load. |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Correctly operated tools and levers. |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Applied load stabilization systems. |

Candidate's Name: _____ Station: P F
1st Attempt 2nd attempt

Evaluator's Signature: _____

Trench Rescue Level II Skills Assessment Skill Sheet #5

COORDINATE THE USE OF HEAVY EQUIPMENT

JPR: NFPA 1006-2013 edition, Section 8.2.5

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will coordinate the use of heavy equipment, given personal protective equipment, means of communication, equipment and operator, and an assignment, so that operator capabilities and limitations for task are evaluated, common communications are maintained, equipment usage supports the operational objectives, and hazards are avoided. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Correctly used hand signals. |
| _____ | _____ | 2. Correctly used radio equipment. |
| _____ | _____ | 3. Recognized hazards. |
| _____ | _____ | 4. Assessed operator for skill and calm demeanor. |
| _____ | _____ | 5. Assessed heavy equipment for precision of movement and maintenance. |
| _____ | _____ | 6. Monitored rescuer and victim safety. |
| _____ | _____ | 7. Properly used personal protective equipment. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Trench Rescue Level II Skills Assessment Skill Sheet #6

RELEASE A VICTIM FROM ENTRAPMENT BY COMPONENTS OF A COLLAPSED TRENCH

JPR: NFPA 1006-2013 edition, Section 8.2.6

Reference: -Jones and Bartlett, Trench Rescue: Principles and Practice to NFPA 1006 and 1670, 3rd Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will release a victim from entrapment by components of a collapsed trench, given personal protective equipment, a trench rescue tool kit, and specialized equipment, so that hazards to rescue personnel and victims are minimized, considerations are given to crush syndrome and other injuries, techniques are used to enhance patient survivability, tasks are accomplished within projected time frames, and techniques do not compromise the integrity of the existing trench shoring system. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|--|--|---|
| | | 1. Selected, used, and cared for personal protective equipment. |
| | | 2. Operated rescue tools and stabilization systems. |
| | | 3. Identified crush syndrome clinical settings. |
| | | 4. Completed risk–benefit assessments for selected methods of rescue and time restraints. |

Candidate's Name: _____ Station: P _____ F _____

1st Attempt

2nd attempt

Evaluator's Signature: _____

TRENCH RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 8– Level I

PRINT NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Pre-Requisite								
Chapter 8 LEVEL I							CONDUCT A SIZE-UP OF A COLLAPSED TRENCH	1
							IMPLEMENT A TRENCH EMERGENCY ACTION PLAN	2
							IMPLEMENT SUPPORT OPERATIONS AT TRENCH EMERGENCIES	3
							SUPPORT A NONINTERSECTING STRAIGHT WALL TRENCH	4
							RELEASE A VICTIM FROM SOIL ENTRAPMENT	5
							REMOVE A VICTIM FROM A TRENCH	6
							DISASSEMBLE SUPPORT SYSTEMS AT A TRENCH EMERGENCY INCIDENT	7

TRENCH RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 8 –Level II

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Pre-Requisite								
Chapter 8 LEVEL II							SUPPORT AN INTERSECTING TRENCH	1
							INSTALL SUPPLEMENTAL SHEETING AND SHORING	2
							CONSTRUCT LOAD STABILIZATION SYSTEMS	3
							LIFT A LOAD	4
							COORDINATE THE USE OF HEAVY EQUIPMENT	5
							RELEASE A VICTIM FROM ENTRAPMENT BY COMPONENTS OF A COLLAPSED TRENCH	6

SECTION – V

CHAPTER 9 – STRUCTURAL COLLAPSE - Level I

JOB PERFORMANCE REQUIREMENTS

Structural Collapse Rescue Level I Skills Assessment Skill Sheet #4

IMPLEMENT A COLLAPSE RESCUE INCIDENT ACTION PLAN

JPR: NFPA 1006-2013 edition, Section 9.1.4

Reference: -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition
 -Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will implement a collapse rescue incident action plan, given an action plan and a light frame collapsed structure, so that pertinent information is used, an incident management system is established and implemented, monitoring of dynamic conditions internally and externally is established, specialized resources are requested, hazards are mitigated, victim rescue and extraction techniques are consistent with collapse and construction

type, and perimeter security measures are established. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Correctly implement the components of an action plan in a collapse incident. |
| _____ | _____ | 2. Correctly implemented an incident management system. |
| _____ | _____ | 3. Initiated hazard mitigation objectives. |
| _____ | _____ | 4. Requested specialized resources as needed. |
| _____ | _____ | 5. Initiated rescue objectives. |
| _____ | _____ | 6. Demonstrated perimeter security measures. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Structural Collapse Rescue Level I Skills Assessment

Skill Sheet #5

SEARCH A LIGHT FRAME COLLAPSED STRUCTURE

JPR: NFPA 1006-2013 edition, Section 9.1.5

Reference: -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
 -Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will search a light frame collapsed structure, given personal protective equipment, the structural collapse tool kit, an assignment, operational protocols, and size-up information, so that all victim locations and potential hazards are identified, marked, and reported; protocols are followed; the mode of operation can be determined; and rescuer

safety is maintained. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

- | 1st Attempt | 2nd attempt | |
|-------------|-------------|---|
| | | 1. Correctly implemented an incident management system. |
| | | 2. Applied appropriate search techniques |
| | | 3. Used appropriate marking systems. |
| | | 4. Identified and mitigated hazards. |
| | | 5. Selected and used appropriate victim locating devices. |

Candidate’s Name: _____ Station: P F P F
1st Attempt 2nd attempt

Evaluator’s Signature: _____

Structural Collapse Rescue Level I Skills Assessment Skill Sheet #9

REMOVE A VICTIM FROM A LIGHT FRAME COLLAPSE INCIDENT

JPR: NFPA 1006-2013 edition, Section 9.1.9

Reference: -FEMA National US & R Response System, Structural Collapse Technician
-Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition
-Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will remove a victim from a light frame collapse incident, given a disentangled victim, a basic first aid kit, and victim packaging resources, so that basic life functions are supported as required, victim is evaluated for signs of crush syndrome, advanced life support is called if needed, methods and packaging devices selected are compatible with intended routes of transfer, universal precautions are employed to protect personnel from bloodborne pathogens, and extraction times meet time constraints for medical management. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Performed basic prehospital care of soft-tissue injuries as needed. |
| _____ | _____ | 3. Performed fracture stabilization as needed. |
| _____ | _____ | 4. Performed airway maintenance techniques as needed. |
| _____ | _____ | 4. Performed cardiopulmonary resuscitation as needed. |
| _____ | _____ | 4. Selected and used appropriate patient packaging equipment. |

Candidate's Name: _____ Station: P _____ F _____
 1st Attempt 2nd attempt

Evaluator's Signature: _____

Structural Collapse Rescue Level I Skills Assessment Skill Sheet #11

MOVE A HEAVY LOAD AS A TEAM MEMBER

JPR: NFPA 1006-2013 edition, Section 9.1.11

Reference:
 -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition
 -Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will move a heavy load as a team member, given a structural collapse tool kit, so that the load is moved the required distance to gain access and so that control is constantly maintained. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Evaluated and estimated the weight of the load. |
| _____ | _____ | 3. Constructed and used levers and incline planes. |
| _____ | _____ | 4. Utilized rigging systems appropriately. |
| _____ | _____ | 4. Successfully stabilized the load. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Structural Collapse Rescue Level I Skills Assessment

Skill Sheet #12

BREACH LIGHT FRAME STRUCTURAL COMPONENTS

JPR: NFPA 1006-2013 edition, Section 9.1.12

Reference: -FEMA National US & R Response System, Structural Collapse Technician
-Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition
-Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will breach light frame structural components, given an assignment, personal protective equipment, various types of construction materials, and a structural collapse tool kit, so that the opening supports the rescue objectives, the necessary tools are selected, structural stability is maintained, and the methods utilized are safe and efficient. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Selected and used breaching tools. |
| _____ | _____ | 3. Appropriately implemented breaching techniques based on building construction type. |
| _____ | _____ | 4. Correctly applied stabilization where required. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Structural Collapse Rescue Level I Skills Assessment Skill Sheet #13

CONSTRUCT CRIBBING SYSTEMS

JPR: NFPA 1006-2013 edition, Section 9.1.13

Reference: -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
 -Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will construct cribbing systems, given an assignment, personal protective equipment, a structural collapse tool kit, various lengths and dimensions of construction-grade lumber, wedges, and shims, so that the cribbing system will safely support the load, the system is stable, and the assignment is completed. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|--|--|--|
| | | 1. Selected, used, and cared for personal protective equipment. |
| | | 2. Selected and constructed cribbing systems. |
| | | 3. Appropriately evaluated the structural integrity of the system. |
| | | 4. Correctly calculated the load. |
| | | 5. Ensured stability of the cribbing system. |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

SECTION – V

CHAPTER 9 – STRUCTURAL COLLAPSE RESCUE - Level II

JOB PERFORMANCE REQUIREMENTS

**Structural Collapse Rescue Level II Skills Assessment
Skill Sheet #1**

**CONDUCT A SIZE-UP OF A COLLAPSED HEAVY
CONSTRUCTION-TYPE STRUCTURE**

JPR: NFPA 1006-2013 edition, Section 9.2.1

Reference: -FEMA National US & R Response System, Structural Collapse Technician
-Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
-Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will conduct a size-up of a collapsed heavy construction-type structure, given an incident and specific incident information, so that existing and potential conditions within the structure and the immediate periphery are evaluated, needed resources are defined, hazards are identified, construction and occupancy types are determined, collapse type is identified if possible, the need for rescue is assessed, a scene security perimeter is established, and the size-up is conducted within the scope of the incident management system. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Categorized light frame construction type. |
| _____ | _____ | 2. Evaluated structural stability and scene hazards. |
| _____ | _____ | 3. Implemented resource and security (scene management) protocols. |

Candidate’s Name: _____ Station: P _____ F _____
 1st Attempt 2nd attempt

Evaluator’s Signature: _____

Structural Collapse Rescue Level II Skills Assessment Skill Sheet #2

DETERMINE POTENTIAL VICTIM LOCATIONS IN A HEAVY CONSTRUCTION-TYPE INCIDENT

JPR: NFPA 1006-2013 edition, Section 9.2.2

Reference: -FEMA National US & R Response System, Structural Collapse Technician
-Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition
-Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will determine potential victim locations in heavy construction-type collapse incidents, given size-up information, a structural collapse tool kit, the type of construction and occupancy, time of day, and collapse pattern, so that search areas are established and victims can be located. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Correctly interpreted size-up information. |
| _____ | _____ | 2. Correctly used occupancy classification information. |
| _____ | _____ | 3. Correctly used search devices. |
| _____ | _____ | 4. Assessed and categorized type of collapse. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Structural Collapse Rescue Level II Skills Assessment Skill Sheet #4

IMPLEMENT A COLLAPSE RESCUE INCIDENT ACTION PLAN

JPR: NFPA 1006-2013 edition, Section 9.2.4

Reference: -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition
 -Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will implement a collapse rescue incident action plan, given an action plan and a heavy construction-type collapsed structure, so that pertinent information is used, an incident management system is established and implemented, monitoring of dynamic conditions internally and externally is established, specialized resources are requested, hazards are mitigated, victim rescue and extraction techniques are consistent with collapse and construction type, and perimeter security measures are established. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Correctly implement the components of an action plan in a collapse incident. |
| _____ | _____ | 2. Correctly implemented an incident management system. |
| _____ | _____ | 3. Initiated hazard mitigation objectives. |
| _____ | _____ | 4. Requested specialized resources as needed. |
| _____ | _____ | 5. Initiated rescue objectives. |
| _____ | _____ | 6. Demonstrated perimeter security measures. |

Candidate's Name: _____ Station: P _____ F _____ P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Structural Collapse Rescue Level II Skills Assessment Skill Sheet #6

STABILIZE A COLLAPSED HEAVY CONSTRUCTION–TYPE STRUCTURE AS A MEMBER OF A TEAM

JPR: NFPA 1006-2013 edition, Section 9.2.6

Reference: -FEMA National US & R Response System, Structural Collapse Technician
-Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
-Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will stabilize a collapsed heavy construction–type structure as a member of a team, given size-up information, a specific pattern of collapse, a basic structural collapse tool kit, and an assignment, so that strategies to effectively minimize the movement of structural components are identified and implemented; hazard warning systems are established and understood by participating personnel; incident-specific personal protective equipment is identified, provided, and utilized; physical hazards are identified; confinement, containment, and avoidance measures are discussed; and a rapid intervention team is established and staged. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Selected and constructed shoring systems for collapses in light frame structures. |
| _____ | _____ | 2. Used personal protective equipment. |
| _____ | _____ | 3. Performed structural load calculations. |
| _____ | _____ | 4. Determined resource needs. |
| _____ | _____ | 5. Selected and operate basic and specialized tools and equipment. |
| _____ | _____ | 6. Implemented communications and safety protocols. |
| _____ | _____ | 7. Mitigated specific hazards associated with shoring tasks. |

Candidate’s Name: _____ Station: P ____ F ____ P ____ F ____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

Structural Collapse Rescue Level II Skills Assessment Skill Sheet #7

IMPLEMENT COLLAPSE SUPPORT OPERATIONS AT A RESCUE INCIDENT

JPR: NFPA 1006-2013 edition, Section 9.2.7

Reference: -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
 -Jones and Barlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will implement collapse support operations at a rescue incident, given an assignment and available resources, so that scene lighting is adequate for the tasks to be undertaken, environmental concerns are managed, personnel rehabilitation is facilitated, and the support operations facilitate rescue operational objectives. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt	2nd attempt	
_____	_____	1. Managed resources.
_____	_____	2. Established scene lighting.
_____	_____	3. Initiated environmental controls.
_____	_____	4. Set-up rehabilitation for rescuers.

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

**Structural Collapse Rescue Level II Skills Assessment
Skill Sheet #8**

**RELEASE A VICTIM FROM ENTRAPMENT BY COMPONENTS OF A
HEAVY CONSTRUCTION–TYPE COLLAPSED STRUCTURE**

JPR: NFPA 1006-2013 edition, Section 9.2.8

Reference: -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
 -Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will release a victim from entrapment by components of a heavy construction–type collapsed structure, given personal protective equipment and resources for breaching, breaking, lifting, prying, shoring, and/or otherwise moving or penetrating the offending structural component, so that hazards to rescue personnel and victims are minimized, considerations are given to crush syndrome, techniques enhance patient survivability, tasks are accomplished within projected time frames, and techniques do not compromise the integrity of the existing structure or structural support systems. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Operated rescue tools and stabilization systems. |
| _____ | _____ | 3. Recognized crush syndrome indicators. |
| _____ | _____ | 4. Completed risk–benefit assessments for selected methods of rescue and time constraints. |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

Structural Collapse Rescue Level II Skills Assessment Skill Sheet #9

REMOVE A VICTIM FROM A HEAVY CONSTRUCTION–TYPE COLLAPSE INCIDENT

JPR: NFPA 1006-2013 edition, Section 9.2.9

Reference: -FEMA National US & R Response System, Structural Collapse Technician
-Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
-Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will remove a victim from a heavy construction–type collapse incident, given a disentangled victim, a basic first aid kit, and victim packaging resources, so that basic life functions are supported as required, victim is evaluated for signs of crush syndrome, advanced life support is called if needed, methods and packaging devices selected are compatible with intended routes of transfer, universal precautions are employed to protect personnel from bloodborne pathogens, and extraction times meet time constraints for medical management. You **MUST** verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Performed basic prehospital care of soft-tissue injuries as needed. |
| _____ | _____ | 3. Performed fracture stabilization as needed. |
| _____ | _____ | 4. Performed airway maintenance techniques as needed. |
| _____ | _____ | 4. Performed cardiopulmonary resuscitation as needed. |
| _____ | _____ | 4. Selected and used appropriate patient packaging equipment. |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

Structural Collapse Rescue Level II Skills Assessment Skill Sheet #14

STABILIZE A COLLAPSED HEAVY CONSTRUCTION-TYPE STRUCTURE

JPR: NFPA 1006-2013 edition, Section 9.2.14

Reference: -FEMA National US & R Response System, Structural Collapse Technician
-Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition
-Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will stabilize a collapsed heavy construction-type structure as a member of a team, given size-up information, hazard-specific personal protective equipment, an assignment, a specific pattern of collapse, a structural collapse tool kit, specialized equipment necessary to complete the tasks and engineering resources if needed, so that hazard warning systems are established and understanding by team members is verified, all unstable structural components that can impact the work and egress routes are identified, alternative egress routes are established when possible, expert resource needs are determined and communicated to command, load estimates are calculated for support system requirements, all shoring systems meet or exceed loadbearing demands, shoring systems are monitored continuously for integrity, safety protocols are followed, a rapid intervention crew (RIC) is established and staged to aid search and rescue personnel in the event of entrapment, an accountability system is established, atmospheric monitoring is ongoing, and progress is communicated as required. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Selected and constructed appropriate shoring systems. |
| _____ | _____ | 3. Appropriately evaluated the structural integrity of the system. |
| _____ | _____ | 4. Correctly calculated the structural load. |
| _____ | _____ | 5. Determined and requested additional resources as needed. |
| _____ | _____ | 5. Selected appropriate, and operated, basic and specialized tools and equipment, |
| _____ | _____ | 5. Implemented communications and rescuer safety protocols. |
| _____ | _____ | 5. Mitigated specific hazards associated with shoring tasks. |

Candidate's Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

Structural Collapse Rescue Level II Skills Assessment Skill Sheet #15

CUT THROUGH STRUCTURAL STEEL

JPR: NFPA 1006-2013 edition, Section 9.2.15

Reference:
 -FEMA National US & R Response System, Structural Collapse Technician
 -Jones and Bartlett, Brannigan’s Building Construction for the Fire Service, 4th Edition
 -Jones and Bartlett Learning, Emergency Medical Responder, 5th Edition

Candidate Equipment Required: Appropriate PPE

Evaluator Equipment Required: Appropriate PPE

Read to Candidate:

For this skill event, you will cut through structural steel, given a structural collapse tool kit, personal protective equipment, and an assignment, so that the steel is efficiently cut, the victim and rescuer are protected, fire control measures are in place, and the objective is accomplished. You MUST verbally describe those skills which cannot be accomplished hands on.

This is not a timed event. To pass this station, you must successfully complete 100% of the skill steps.

P-Pass / F-Fail

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Determined appropriate tool needs. |
| _____ | _____ | 3. Used cutting tools correctly. |
| _____ | _____ | 4. Mitigated hazards successfully. |
| _____ | _____ | 5. Implemented necessary extinguishment techniques. |
| _____ | _____ | 6. Stabilized heavy load to ensure protection of victim and rescuer. |

Candidate’s Name: _____ Station: P _____ F _____
1st Attempt 2nd attempt

Evaluator’s Signature: _____

STRUCTURAL COLLAPSE RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 9– Level I

PRINT NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Pre-Requisite								
Chapter 9 LEVEL I							CONDUCT A SIZE-UP OF A LIGHT FRAME COLLAPSED STRUCTURE	1
							DETERMINE POTENTIAL VICTIM LOCATIONS IN LIGHT FRAME CONSTRUCTION COLLAPSE INCIDENTS	2
							DEVELOP A COLLAPSE RESCUE INCIDENT ACTION PLAN	3
							IMPLEMENT A COLLAPSE RESCUE INCIDENT ACTION PLAN	4
							SEARCH A LIGHT FRAME COLLAPSED STRUCTURE	5
							STABILIZE A COLLAPSED LIGHT FRAME STRUCTURE AS A MEMBER OF A TEAM	6
							IMPLEMENT COLLAPSE SUPPORT OPERATIONS AT A RESCUE INCIDENT	7
							RELEASE A VICTIM FROM ENTRAPMENT BY COMPONENTS OF A LIGHT FRAME COLLAPSED STRUCTURE	8
							REMOVE A VICTIM FROM A LIGHT FRAME COLLAPSE INCIDENT	9
							LIFT A HEAVY LOAD AS A TEAM MEMBER	10
							MOVE A HEAVY LOAD AS A TEAM MEMBER	11
							BREACH LIGHT FRAME STRUCTURAL COMPONENTS	12
							CONSTRUCT CRIBBING SYSTEMS	13

STRUCTURAL COLLAPSE RESCUER TRAINING RECORD - NFPA 1006; 2013 Standard

Chapter 9– Level II

PRINT NAME: _____ LAST 4 of SSN: _____ DEPARTMENT: _____

SECTION	TRAINING			IN-HOUSE			MANIPULATIVE SKILL - DEMONSTRATE	CORRESPONDING SKILL SHEET
	RECORD			COMP. EXAM				
	DATE	INST	HRS	DATE	INST	P/F		
Chapter 9 LEVEL II							CONDUCT A SIZE-UP OF A COLLAPSED HEAVY CONSTRUCTION-TYPE STRUCTURE	1
							DETERMINE POTENTIAL VICTIM LOCATIONS IN A HEAVY CONSTRUCTION-TYPE INCIDENT	2
							DEVELOP A COLLAPSE RESCUE INCIDENT ACTION PLAN	3
							IMPLEMENT A COLLAPSE RESCUE INCIDENT ACTION PLAN	4
							SEARCH A HEAVY CONSTRUCTION-TYPE COLLAPSED STRUCTURE	5
							STABILIZE A COLLAPSED HEAVY CONSTRUCTION-TYPE STRUCTURE AS A MEMBER OF A TEAM	6
							IMPLEMENT COLLAPSE SUPPORT OPERATIONS AT A RESCUE INCIDENT	7
							RELEASE A VICTIM FROM ENTRAPMENT BY COMPONENTS OF A HEAVY CONSTRUCTION-TYPE COLLAPSED STRUCTURE	8
							REMOVE A VICTIM FROM A HEAVY CONSTRUCTION-TYPE COLLAPSE INCIDENT	9
							LIFT A HEAVY LOAD AS A TEAM MEMBER	10
							MOVE A HEAVY LOAD AS A TEAM MEMBER	11
							BREACH HEAVY CONSTRUCTION-TYPE STRUCTURAL COMPONENTS	12
							CONSTRUCT CRIBBING SYSTEMS	13
							STABILIZE A COLLAPSED HEAVY CONSTRUCTION-TYPE STRUCTURE	14
							CUT THROUGH STRUCTURAL STEEL	15
							COORDINATE THE USE OF HEAVY EQUIPMENT	16

APPENDIX A
IN-HOUSE PROCTOR
INSTRUCTIONS AND REQUEST
FOR CERTIFICATION FORMS

Tester Instructions for “In-House” Comprehensive Examination

As the training officers for your department you are authorized by NDFA to conduct the 100% skills test for this level of certification. You must be certified to the level you are testing, i.e., if you’re FF2 you can test FF1 and FF2, Awareness and HM Operations.

***PRIOR TO CONDUCTING TEST, REVIEW TRAINING RECORDS**

It is important that before doing this “In-House” exam that the candidate has completed training in all areas for the level being tested.

***SAFETY OFFICER SELECTED AND BRIEFED**

Select a Safety Officer to assist you during the test. This person, if possible, should not be taking the same test that is being given. The Safety Officer will not assist with the testing process. The Safety Officer is there to protect the CANDIDATES from injury during the testing process. The Safety Officer shall be in a position to observe all students and ensure their safety at all times during the testing procedure. By using the following instructions you will be able to evaluate the skill being tested and determine the candidate’s readiness for the State “Spot Check” exam.

1. Keep in mind this is a test and there should be no coaching or training during the testing process. If a candidate fails to perform a skill, it will count as a first attempt failure and they will be given a second attempt. If they fail a second time they need to be retrained on that skill and tested again. Only qualified candidates that have passed with 100% should be allowed to take the State SPOT CHECK exam. Before beginning the testing process meet with all candidates and review the testing process. Explain that this is a test and that the same process being used for the “In-House” will be used during the state exam.
2. Designate a secure location for the candidates to remain in while the “In-House” exam is conducted. This location should be away from the area where the exam is being conducted.
3. If possible, separate your testing stations so candidates cannot observe each other during the test.
4. To evaluate a candidate’s performance, use the following as a guide.
 - a. the skill is completed in the allotted time,
 - b. competence is shown by completing all performance criteria,
 - c. safety is shown while completing the skill.

At each test station the tester will read the SKILL to be demonstrated, the CONDITIONS to be met and the TIME limit to complete each skill. This information is contained in the skill section of each standards packet. Do this with each student as they come to each testing station. Ask for any questions. As each skill is tested and completed sign it off in the section provided on the candidates training record. By conducting the “In-House” test in this manner, you will prepare your candidates to successfully pass the state “spot check” exam. This will also assure training records are current and that only those who are truly prepared take the state certification examination.

North Dakota Firefighter's Association

EXAMINATION REQUEST / CERTIFICATION REQUEST FORM

Please complete all information on BOTH sides of this form and return to the NDFA at least **30 days prior** to the requested examination date. **A separate request MUST be made for each level of certification exam desired and for each exam date.**
 Phone Number: 701-222-2799. FAX: 701-222-2899.

Technical Rescuer Examination Request for Written / Skills – Check the appropriate level

Discipline	Written		Manipulative	
	Written	Manipulative	Written	Manipulative
Technical Rescuer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rope Rescue	Level I <input type="checkbox"/>	<input type="checkbox"/>	Level II <input type="checkbox"/>	<input type="checkbox"/>
Structural Collapse	Level I <input type="checkbox"/>	<input type="checkbox"/>	Level II <input type="checkbox"/>	<input type="checkbox"/>
Confined Space	Level I <input type="checkbox"/>	<input type="checkbox"/>	Level II <input type="checkbox"/>	<input type="checkbox"/>
Trench Rescue	Level I <input type="checkbox"/>	<input type="checkbox"/>	Level II <input type="checkbox"/>	<input type="checkbox"/>

Number Taking Written Examination: _____ Number Taking Manipulative exam: _____

Department Name: _____ Department Address: _____

Contact Phone Number: _____

Requested Date and Time: _____

Examination Location: _____

By the signature below we acknowledge that training records exist to support that everyone who will attend the exam has received a learning experience in each subject area required for testing and has met all other requirements for the level being examined for as specified in the Certification Policy and Procedures Manual. Department requesting the above exam, will have appropriate space and safe accommodations and equipment for all written and manipulative skills.

 Fire Chief/Head of Department (Signature) Training Officer (Signature)

 Fire Chief/Head of Department (typed/printed) Training Officer (typed/printed)

Certification Request

The following department or agency requests that the North Dakota Firefighters Association certify the individuals listed on reverse side of this form. **NOTE: The original "Training Record" of the individuals must be sent with this form - if the "Training Record" has not been presented to the NDFA during a "Spot Check Skills" testing event. Please keep a copy of the "Training Record" for your files.**

By my signature below, I attest that the individuals listed on the reverse side of this form have completed all requirements for certification as defined in the North Dakota Firefighters Association Certification Policy and Procedures Manual.

 Fire Chief/Head of Department (Signature) Fire Chief/Head of Department (typed/Printed)

Department Name: _____ Date: _____

 Department Mailing Address Daytime Phone Number Second contact number

Type or print names of participants who will be taking the examination.

	Candidates Printed Name	Last Four of SSN	EMAIL
1.		XXX-XX-_____	
2.		XXX-XX-_____	
3.		XXX-XX-_____	
4.		XXX-XX-_____	
5.		XXX-XX-_____	
6.		XXX-XX-_____	
7.		XXX-XX-_____	
8.		XXX-XX-_____	
9.		XXX-XX-_____	
10.		XXX-XX-_____	
11.		XXX-XX-_____	
12.		XXX-XX-_____	
13.		XXX-XX-_____	
14.		XXX-XX-_____	
15.		XXX-XX-_____	
16.		XXX-XX-_____	
17.		XXX-XX-_____	
18.		XXX-XX-_____	
19.		XXX-XX-_____	
20.		XXX-XX-_____	
21.		XXX-XX-_____	
22.		XXX-XX-_____	
23.		XXX-XX-_____	
24.		XXX-XX-_____	

Send Request form to:

North Dakota Firefighter's Association
1502 Grumman Lane, Suite 2, Bismarck, ND 58504
FAX: (701) 222-2899