

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

TABLE OF CONTENTS

Introduction	6
Certification Requirements for Firefighter I	7
Entrance Requirements	7
Physical Fitness Requirements	7
Department Training	8
Written Objective	8
Manipulative Objectives	9
Department Training Officers	10
Department Training Records	10
Department In-House Comprehensive Examination	10
Certification Examinations	11
Written Examinations	11
Manipulative Skills “Spot” Examination	12
Operational Levels	13
Prerequisites for Certification	13
SECTION I – Chapter 5	
Technical Rescuer (JPRs)	14
Technical Rescuer (Training Records)	38
SECTION II – Chapter 6	
Rope Rescuer Level I (JPRs)	40
Rope Rescuer Level II (JPRs)	49
Rope Rescuer Level I&II (Training Records)	58
SECTION III – Chapter 7	
Confined Space Rescuer Level I (JPRs)	60
Confined Space Rescuer Level II (JPRs)	66
Confined Space Rescuer Level I&II (Training Records)	70
SECTION IV – Chapter 8	
Trench Rescue Rescuer Level I (JPRs)	72
Trench Rescue Rescuer Level II (JPRs)	80
Trench Rescue Rescuer Level I&II (Training Records)	87
SECTION V – Chapter 9	
Structural Collapse Rescuer Level I (JPRs)	89
Structural Collapse Rescuer Level II (JPRs)	103
Structural Collapse Rescuer Level I&II (Training Records)	120
Appendix A - IN-HOUSE PROCTOR INSTRUCTIONS AND REQUEST FOR CERTIFICATION FORMS	122

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

IDENTIFY NEEDED SUPPORT RESOURCES

SIZE UP A RESCUE INCIDENT

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

Evaluator Equipment Required: Proper PPE

For this skill event, you will size up a rescue incident, given background information and applicable reference materials, so that the type of rescue is determined, the number of victims is identified, the last reported location of all victims is established, witnesses and reporting parties are identified and interviewed, resource needs are assessed, search parameters are identified, and information required to develop an incident action plan is obtained.

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

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Type of rescue is determined |
| _____ | _____ | 2. Number of victims and last reported location of all victims is established |
| _____ | _____ | 3. Witnesses and reporting parties are identified and interviewed |
| _____ | _____ | 4. Resource needs are assessed |
| _____ | _____ | 5. Search parameters are identified |
| _____ | _____ | 6. Information required to develop an incident action plan is obtained and provided to Incident Command |

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

Evaluator's Signature: _____

MANAGE INCIDENT HAZARDS

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

Evaluator Equipment Required: Proper PPE

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

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: _____

MANGE RESOURCES IN A RESCUE INCIDENT

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

Evaluator Equipment Required: Proper PPE

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

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. References are utilized |
| _____ | _____ | 2. Incident management system used |
| _____ | _____ | 3. Completes tactical worksheets |
| _____ | _____ | 4. Evaluates incident information |
| _____ | _____ | 5. Uses correct resources for operational needs |
| _____ | _____ | 6. Manages and operates communication equipment |
| _____ | _____ | 7. Communicates effectively so that objectives are met |

Evaluator's Signature: _____

INITIATE A DISCIPLINE SPECIFIC SEARCH

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

Evaluator Equipment Required: Proper PPE

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.

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 #6

PERFORM GROUND SUPPORT ACTIVITIES FOR HELICOPTER OPERATIONS

JPR: NFPA 1006-2013 edition, Section 5.2.6

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:

For this skill event, you will perform ground support operations for helicopter activities, given a rescue scenario/incident, helicopter, operational plans, PPE, requisite equipment, and available specialized resources, so that rescue personnel are aware of the operational characteristics of the aircraft and demonstrate operational proficiency in establishing and securing landing zones and communicating with aircraft personnel until the assignment is complete.

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. Rescue personnel are aware of the operational characteristics of the aircraft |
| _____ | _____ | 2. Rescue personnel demonstrate operational proficiency in establishing and securing landing zones |
| _____ | _____ | 3. Rescue personnel communicate with the aircraft personnel until assignment is complete |

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

Evaluator's Signature: _____

TERMINATE A TECHNICAL RESCUE OPERATION

TRIAGE VICTIMS

MOVE A VICTIM IN A LOW-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

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

_____	_____	1. Select and secured victim to transport equipment
_____	_____	2. Assemble and operate environment-specific victim removal systems
_____	_____	3. Maneuver across the terrain
_____	_____	4. Manage the litter while suspended from the rope rescue system
_____	_____	5. Evaluate surroundings for potential hazards

Evaluator's Signature: _____

INSPECT AND MAINTAIN HAZARD-SPECIFIC PPE

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

Candidate Equipment Required: Proper PPE, technical rescue references, and requisite equipment

Evaluator Equipment Required: Proper PPE

For this skill event, you will inspect and maintain hazard specific PPE, given clothing or equipment for the protection of the rescuers, cleaning and sanitation supplies, maintenance logs or records, and such tools and resources as are indicated by the manufacturer's guidelines for assembly or disassembly of components during repair or maintenance, so that damage, defects, and wear are identified and reported or repaired, equipment has been performed and documented consistent with the manufacturer's recommendations.

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

1st Attempt	2nd attempt
-------------	-------------

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Identifies wear and damage indicators for PPE |
| _____ | _____ | 2. Evaluates the operational readiness of PPE |
| _____ | _____ | 3. Completes logs and records |
| _____ | _____ | 4. Uses reference materials and cleaning equipment specific to the task |

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

Evaluator's Signature: _____

INSPECT AND MAINTAIN RESCUE EQUIPMENT

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

Candidate Equipment Required: Proper PPE, technical rescue references, and requisite equipment

Evaluator Equipment Required: Proper PPE

For this skill event, you will inspect and maintain rescue equipment, given maintenance logs and records, tools, and resources as indicated by the manufacturer's guidelines, equipment replacement protocol, and organizational standard operating procedure, so that the operational status of equipment is verified and documented, all components are checked for operation, deficiencies are repaired or reported as indicated by standard operating procedure, and items subject to replacement protocol are correctly disposed of and changed.

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

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Identifies wear and damage indicators for rescue equipment |
| _____ | _____ | 2. Evaluates operational readiness of equipment |
| _____ | _____ | 3. Completes logs and records |
| _____ | _____ | 4. Selects and uses correct maintenance tools per manufacturer guidelines |

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

Evaluator's Signature: _____

DEMONSTRATE KNOTS, BENDS, AND HITCHES

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

Evaluator Equipment Required: Proper PPE

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

_____	_____	1. Correctly ties end-of-line loop (figure eight on a bight)
_____	_____	2. Correctly ties midline loop (butterfly knot)
_____	_____	3. Correctly secures rope around desired object (figure eight follow through)
_____	_____	4. Correctly joins rope or webbing ends together (water knot)
_____	_____	5. Correctly ties "gripping rope" (clove hitch)

Evaluator's Signature: _____

CONSTRUCT A SINGLE POINT ANCHOR SYSTEM

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

Evaluator Equipment Required: Proper PPE

For this skill event, you will construct a single-point anchor system, given life safety rope and other auxiliary rope rescue equipment, so that the chosen anchor system fits the incident needs, meets or exceeds the expected load, and does not interfere with rescue operations, an efficient anchor point is chose, the need for redundant anchor points is assessed and used as required, the anchor system is inspected and loaded prior to being placed into service, and the integrity of the system is maintained throughout the operation.

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

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Evaluates anchor for required strength, location, and surface contour |
| _____ | _____ | 2. Selects appropriate rope and equipment |
| _____ | _____ | 3. Ties appropriate knots correctly |
| _____ | _____ | 4. Rigs the system correctly |
| _____ | _____ | 5. Performs system safety check |

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

Evaluator's Signature: _____

Technical Rescuer Skills Assessment

Skill Sheet #14

PLACE EDGE PROTECTION

JPR: NFPA 1006-2013 edition, Section 5.5.3

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

Candidate Equipment Required: Proper PPE, requisite equipment, and a sharp or abrasive edge

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, place edge protection, given life safety rope or webbing traversing a sharp or abrasive edge, edge protection, and other auxiliary rope rescue equipment, so that the rope or webbing is protected from abrasion or cutting, the rescuer is safe from falling while placing the edge protection, the edge protection is secure, and the rope or webbing is securely placed on the edge protection.

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 appropriate protective devices for protecting rope and webbing |
| _____ | _____ | 2. Uses personal fall protection while working near edges |
| _____ | _____ | 3. Secures edge protection |
| _____ | _____ | 4. Secures ropes or webbing in a specific location |

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

Evaluator's Signature: _____

CONSTRUCT A SIMPLE ROPE MECHANICAL ADVANTAGE SYSTEM

Technical Rescuer Skills Assessment

Skill Sheet #16

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

JPR: NFPA 1006-2013 edition, Section 5.5.5

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

Candidate Equipment Required: Proper PPE, life safety rope, carabiners, pulleys, rope grab devices, and auxiliary rope rescue equipment

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 low-angle raising operation, given rescue personnel, a specified minimum travel distance for the load, an established rope rescue system incorporating a simple rope mechanical advantage system, 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. Load movement is controlled
_____	_____	2. Reset is accomplished properly
_____	_____	3. Load held in place as directed by IC
_____	_____	4. System not overly stressed
_____	_____	3. Proper commands used to direct operations
_____	_____	4. Problems identified, communicated, and managed

[illegible]

Evaluator's Signature: _____

Technical Rescuer Skills Assessment

Skill Sheet #17

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

JPR: NFPA 1006-2017 edition, Section 5.5.6

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 low-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: _____

CONSTRUCT A LOWERING SYSTEM

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

Candidate Equipment Required: Proper PPE, an anchor system, life safety rope, descent control device, auxiliary rope rescue equipment

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, construct a lowering system, given an anchor system, life safety rope(s), descent control device, and auxiliary rope rescue equipment, so that the system can accommodate the load, is efficient, is capable of controlling the descent, is capable of holding the load in place or lowering with minimal effort over the required distance, 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. Dons appropriate PPE |
| _____ | _____ | 2. Tie appropriate knots |
| _____ | _____ | 3. Perform rigging |
| _____ | _____ | 4. Attach descent control device |
| _____ | _____ | 5. Anchor system and load |
| _____ | _____ | 6. Perform system safety check |

[illegible]

Evaluator's Signature: _____

DIRECT A LOWERING OPERATION IN A LOW-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

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

_____	_____	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

Evaluator's Signature: _____

CONSTRUCT A BELAY SYSTEM

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

Evaluator Equipment Required: Proper PPE

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.

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 |

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 |

[illegible]

Evaluator's Signature: _____

BELAY A LOAD IN A HIGH-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

For this skill event, belay a falling load in a high-angle environment, given a belay system and a dropped load, so that the belay line is not taut until the load is falling, the belay device is actuated when the load falls, the fall is arrested in a manner that minimizes the force transmitted to the load, the belayer utilizes the belay system as designed, and the belayer is not injured or otherwise incapacitated during actuation of the belay system.

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

1st Attempt 2nd attempt

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Don task specific PPE |
| _____ | _____ | 2. Tie approved knots |
| _____ | _____ | 3. Operate a belay system as designed |
| _____ | _____ | 4. Recognize and arrest a falling load |
| _____ | _____ | 5. Communicate belay system actuation |

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

Evaluator's Signature: _____

CONDUCT A SYSTEM SAFETY CHECK

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

Evaluator Equipment Required: Proper PPE

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

_____	_____	1. Dons appropriate PPE
_____	_____	2. Inspects rope rescue system components for damage
_____	_____	3. Assesses rope rescue system for configuration and secure equipment components
_____	_____	4. Inspects all rigging
_____	_____	5. Performs a system safety check

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: _____

DIRECT A LOWERING OPERATION IN A HIGH-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

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

_____	_____	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

Evaluator's Signature: _____

CONSTRUCT A MULTIPLE-POINT ANCHOR SYSTEM

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

Evaluator Equipment Required: Proper PPE

For this skill event, you will construct a multiple-point anchor system, given life safety rope and other auxiliary rope rescue equipment, so that the chosen anchor system fits the incident needs, the system strength meets or exceeds the expected load and does not interfere with rescue operations, equipment is visually inspected prior to being put in service, the nearest anchor point that will support the load is chosen, the anchor system is system safety checked prior to being placed into service, the integrity of the system is maintained throughout the operation, and weight will be distributed between more than one anchor point.

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

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. The chosen anchor system fits the incident needs |
| _____ | _____ | 2. The system meets or exceeds the expected load |
| _____ | _____ | 3. Selects effective knots |
| _____ | _____ | 4. Evaluate incident operations as related to interference concerns and setup |
| _____ | _____ | 5. Perform a system safety check |
| _____ | _____ | 6. Evaluate system components for comprised integrity |

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

Evaluator's Signature: _____

CONSTRUCT A COMPOUND ROPE MECHANICAL ADVANTAGE SYSTEM

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

Evaluator Equipment Required: Proper PPE

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

_____	_____	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

Evaluator's Signature: _____

CONSTRUCT A FIXED ROPE SYSTEM

Rope Rescue Level I Skills Assessment

Skill Sheet #6

DIRECT THE OPERATION OF A COMPOUND ROPE MECHANICAL ADVANTAGE SYSTEM IN A HIGH-ANGLE ENVIRONMENT

JPR: NFPA 1006-2013 edition, Section 6.1.6

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

Candidate Equipment Required: Proper PPE, rope rescue system incorporating a compound rope mechanical advantage system, a load to be moved, a specific minimum travel distance

Evaluator Equipment Required: Proper PPE

Read to Candidate:

For this skill event, direct the operation of a compound rope mechanical advantage system in a high-angle environment, given a rope rescue system incorporating a compound rope mechanical advantage system and a load to be moved, and a specified minimum travel distance for the load, so that a system safety check is performed; a reset is accomplished, and 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; operational commands are clearly 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. Determines incident needs |
| _____ | _____ | 2. Evaluates incident operations as related to interference concerns |
| _____ | _____ | 3. Complete system safety check |
| _____ | _____ | 4. Continually evaluate system components for compromised integrity |
| _____ | _____ | 5. Direct personnel effectively |
| _____ | _____ | 6. Communicate commands |
| _____ | _____ | 7. Analyze system efficiency |
| _____ | _____ | 8. Manage load movement |
| _____ | _____ | 9. Identify Concerns |

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

Evaluator's Signature: _____

ASCEND A FIXED ROPE IN A HIGH-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

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.

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: _____

DESCEND A FIXED ROPE IN A HIGH-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

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 descent of a fixed rope, a belay system, a life safety harness worn by the person descending, and PPE, so that the person descending is secured to the fixed rope in a manner that will not allow him or her to fall; the person descending is attached to the rope by means of a descent control device; the speed of descent is controlled; injury to the person descending is minimized; the person descending 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 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.

1st Attempt 2nd attempt

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Select and use rescuer harness |
| _____ | _____ | 2. Select proper PPE |
| _____ | _____ | 3. Use a system for descending a fixed rope |
| _____ | _____ | 4. Use of a descent control device |
| _____ | _____ | 5. Evaluate surroundings for potential hazards |
| _____ | _____ | 6. Maneuver around existing environmental and system specific obstacles |

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

Evaluator's Signature: _____

SECTION – II

CHAPTER 6 – ROPE RESCUE - Level II

JOB PERFORMANCE REQUIREMENTS

Skill Sheet #1

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: _____

MOVE A VICTIM IN A HIGH-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

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

_____	_____	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

Evaluator's Signature: _____

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

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

Evaluator Equipment Required: Proper PPE

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.

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: _____

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

53

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

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

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.

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: _____

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

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

Evaluator Equipment Required: Proper PPE

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.

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 _____
 1st Attempt 2nd attempt

Evaluator's Signature: _____

ACCESS A VICTIM IN A HIGH-ANGLE ENVIRONMENT

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

Evaluator Equipment Required: Proper PPE

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.

1st Attempt 2nd attempt

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

Evaluator's Signature: _____

ISOLATE AND MANAGE POTENTIALLY HARMFUL ENERGY SOURCES

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

Candidate Equipment Required: Proper PPE, hazard securing and disabling devices

Evaluator Equipment Required: Proper PPE

For this skill event, Isolate and manage potentially harmful energy sources found in erected structures, including power systems and construction materials, given personal protective equipment, so that all hazards are identified, systems are managed, beneficial system use is evaluated, and hazards to rescue personnel and victims are minimized.

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 |

[illegible]

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

CONDUCT MONITORING OF THE ENVIRONMENT

PREPARE FOR ENTRY INTO THE CONFINED SPACE

62

ENTER INTO THE CONFINED SPACE

63

PACKAGE VICTIM FOR REMOVAL FROM A CONFINED SPACE

64

REMOVE ALL ENTRANTS FROM A CONFINED SPACE

65

SECTION – III

CHAPTER 7 – CONFINED SPACE - Level II

JOB PERFORMANCE REQUIREMENTS

PREPLAN A CONFINED SPACE INCIDENT

67

ASSESS THE INCIDENT

68

CONTROL HAZARDS

69

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

CONDUCT A SIZE-UP OF A COLLAPSED TRENCH

73

IMPLEMENT A TRENCH EMERGENCY ACTION PLAN

74

IMPLEMENT SUPPORT OPERATIONS AT TRENCH EMERGENCIES

75

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: _____

REMOVE A VICTIM FROM A TRENCH

78

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

- | | | |
|-------|-------|---|
| _____ | _____ | 1. Selected, used, and cared for personal protective equipment. |
| _____ | _____ | 2. Removed equipment and protective systems. |
| _____ | _____ | 3. Used trench safety protocols. |
| _____ | _____ | 4. Cleaned and serviced equipment as needed. |
| _____ | _____ | 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

SUPPORT AN INTERSECTING TRENCH

INSTALL SUPPLEMENTAL SHEETING AND SHORING

CONSTRUCT LOAD STABILIZATION SYSTEMS

LIFT A LOAD

COORDINATE THE USE OF HEAVY EQUIPMENT

85

RELEASE A VICTIM FROM ENTRAPMENT BY COMPONENTS OF A COLLAPSED TRENCH

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

CONDUCT A SIZE-UP OF A LIGHT FRAME COLLAPSED STRUCTURE

90

DETERMINE POTENTIAL VICTIM LOCATIONS IN LIGHT FRAME CONSTRUCTION COLLAPSE INCIDENTS

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

Evaluator Equipment Required: Appropriate PPE

For this skill event, you will determine potential victim locations in light frame construction 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.

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: _____

DEVELOP A COLLAPSE RESCUE INCIDENT ACTION PLAN

92

IMPLEMENT A COLLAPSE RESCUE INCIDENT ACTION PLAN

93

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 _____
1st Attempt 2nd attempt

Evaluator's Signature: _____

STABILIZE A COLLAPSED LIGHT FRAME STRUCTURE AS A MEMBER OF A TEAM

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

Evaluator Equipment Required: Appropriate PPE

For this skill event, you will stabilize a collapsed light frame 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.

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 _____
 1st Attempt 2nd attempt

Evaluator's Signature: _____

IMPLEMENT COLLAPSE SUPPORT OPERATIONS AT A RESCUE INCIDENT

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

Evaluator Equipment Required: Appropriate PPE

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.

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: _____

RELEASE A VICTIM FROM ENTRAPMENT BY COMPONENTS OF A LIGHT FRAME COLLAPSED STRUCTURE

97

REMOVE A VICTIM FROM A LIGHT FRAME COLLAPSE INCIDENT

98

Structural Collapse Rescue Level I Skills Assessment

Skill Sheet #10

LIFT A HEAVY LOAD AS A TEAM MEMBER

JPR: NFPA 1006-2013 edition, Section 9.1.10

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 lift a heavy load as a team member, given a structural collapse tool kit and a load to be lifted, so that the load is lifted; control and stabilization are maintained before, during, and after the lift; and access can be gained. 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. Correctly operated tools and levers. |
| _____ | _____ | 4. Applied load stabilization systems. |

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

Evaluator's Signature: _____

MOVE A HEAVY LOAD AS A TEAM MEMBER

100

BREACH LIGHT FRAME STRUCTURAL COMPONENTS

101

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

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

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

Evaluator Equipment Required: Appropriate PPE

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.

P-Pass / F-Fail

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

Evaluator's Signature: _____

DETERMINE POTENTIAL VICTIM LOCATIONS IN A HEAVY CONSTRUCTION-TYPE INCIDENT

DEVELOP A COLLAPSE RESCUE INCIDENT ACTION PLAN

106

IMPLEMENT A COLLAPSE RESCUE INCIDENT ACTION PLAN

107

SEARCH A HEAVY CONSTRUCTION-TYPE COLLAPSED STRUCTURE

108

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

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

Evaluator Equipment Required: Appropriate PPE

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.

P-Pass / F-Fail

_____	_____	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.

Evaluator's Signature: _____

IMPLEMENT COLLAPSE SUPPORT OPERATIONS AT A RESCUE INCIDENT

110

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

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

Evaluator Equipment Required: Appropriate PPE

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.

P-Pass / F-Fail

_____	_____	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.

Evaluator's Signature: _____

REMOVE A VICTIM FROM A HEAVY CONSTRUCTION-TYPE COLLAPSE INCIDENT

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

Evaluator Equipment Required: Appropriate PPE

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.

P-Pass / F-Fail

_____	_____	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.

Evaluator's Signature: _____

Structural Collapse Rescue Level II Skills Assessment

Skill Sheet #10

LIFT A HEAVY LOAD AS A TEAM MEMBER

JPR: NFPA 1006-2013 edition, Section 9.2.10

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 lift a heavy load as a team member, given a structural collapse tool kit and a load to be lifted, so that the load is lifted; control and stabilization are maintained before, during, and after the lift; and access can be gained. 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. Correctly operated tools and levers.
 _____ 4. Applied load stabilization systems.

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

Evaluator's Signature: _____

MOVE A HEAVY LOAD AS A TEAM MEMBER

114

BREACH HEAVY CONSTRUCTION-TYPE STRUCTURAL COMPONENTS

115

Structural Collapse Rescue Level II Skills Assessment

Skill Sheet #13

CONSTRUCT CRIBBING SYSTEMS

JPR: NFPA 1006-2013 edition, Section 9.2.13

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: _____

STABILIZE A COLLAPSED HEAVY CONSTRUCTION-TYPE STRUCTURE

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: _____

COORDINATE THE USE OF HEAVY EQUIPMENT

119

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		
Technical Rescuer	☐	☐	☐	☐	
Rope Rescue	Level I	☐	☐	Level II	☐
Structural Collapse	Level I	☐	☐	Level II	☐
Confined Space	Level I	☐	☐	Level II	☐
Trench Rescue	Level I	☐	☐	Level II	☐

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 (type/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