

TECHNICAL RESCUE JPR's

ROPE RESCUE TECHNICIAN SKILLS

LEVEL I



Reference Source: 2013 NFPA 1006, Technical Rescuer Professional Qualifications

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CERTIFICATION REQUIREMENTS

JPR's and Rope Rescue Level I

Requirements:

In order to certify as a Technical Rope Rescue I and the Job Performance Requirements (JPR's)(NFPA 1006, Chapter 5, 2013 Edition) program, a firefighter must fulfill the following requirements:

1. Complete fire department (AHJ) entrance requirements.
2. Maintain records of training.
3. Train on the required written and practical objectives.
4. Meet any other training requirements/prerequisites as defined by the Fargo Fire Department Certification Committee.
5. Pass both written and practical skills examinations administered by the Fargo Fire Department Certified Testers. Initial testing is to be completed with Pro Board Credentialed Testers.

Note: Tech Rope Rescue Level I and the Job Performance Requirements (Chapter 5) will be tested together and will be credentialed as Rope Rescue Level I.

The Fargo Fire Department acknowledges the importance of and the need for entrance requirements as listed in the NFPA 1001, *Standard on Fire Fighter Professional Qualifications*.

Physical Fitness Requirements:

The requirements listed in NFPA 1001, Chapter 4 are:

1. Meet the minimum educational requirements established by the Fargo Fire Department or the AHJ.
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 Fargo Fire Department or the AHJ. Physical fitness requirements shall be in compliance with applicable Equal Employment Opportunity regulations and other legal requirements.

Emergency Medical Care Requirements:

The following additional training requirements **must** be met before certification at the Tech Rope Rescue Level I / JPR's (NFPA 1006, Chapter 5, 2013 Edition) will be issued by the Fargo Fire Department Certification Committee.

Emergency Medical Care – Candidates for certification at the Tech Rope Rescue Level I / JPR's (NFPA 1006, Chapter 5) must hold a current CPR certification and have received medical training. Medical training should include infection control, bleeding control and shock management.

DEPARTMENT TRAINING

Tech Rope Rescue Level I/ JPR's (Chapter 5, 2013 Edition) require a high level of skill and knowledge. The training given to and received by firefighter candidates should be of the highest quality and degree. All training received must meet the requirements of NFPA 1006, Chapters 5/6 and the skills as approved by the Fargo Fire Department Certification Committee contained within the Fargo Standard. All training received must be documented and recorded on the training record. All testing for will be conducted following the policies and procedures of the Fargo Fire Department Certification Committee.

Training for Rope Rescue is conducted at the department level or could be received through a joint training agreement between departments on a regional level. Regardless of where the training is received, it must prepare the candidate to be a competent and effective Rope Rescue Technician.

The course material should be referenced to the following textbooks to prepare the candidate to successfully pass the Tech Rope Rescue Level I/ JPR's (NFPA 1006, Chapter 5, 2013 Edition) certification examination.

Written Objectives

The written objectives for Tech Rope Rescue Level I (Chapter 6) and the JPR's (Chapter 5) are covered in the following textbooks:

1. NFPA 1006, Rescue Technician Professional Qualifications, 2013 Edition Chapters 5 and 6
2. NFPA Standard 1983 Life Safety Rope and Equipment for Emergency Services, 2006 Edition
3. Mosby, High Angle Rescue Techniques, Third Edition
4. Delmar, Engineering Practical Rope Rescue Systems, Michael Brown
5. CMC, Rope Rescue Manual, 3rd Edition
6. Delmar, Technical Rescuer Rope Levels I and II, Jeff Matthews
7. IFSTA, Fire Service Search and Rescue, 7th Edition
8. Jones and Bartlett, Fundamentals of Fire Fighter Skills, 2nd Edition
9. Brady, Pre-Hospital Emergency Care, 6th Edition

Manipulative Objectives

Each candidate must be trained and evaluated in the performance of all manipulative skills as outlined by the Fargo Fire Department in the Tech Rope Rescue and Job Performance Requirement objectives. Each of the manipulative skills shall be completed safely and with competence as defined below:

- **Safely** – Each manipulative skill objective must be completed safely. Actions that could injure an 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 Fargo Fire Department Standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the Fargo Fire Department manipulative skill objectives.

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. The training record check-off for the JPR's is provided in Appendix A of this document and for Rope Rescue Level I in Appendix B of this document.

CERTIFICATION EXAMINATIONS

After completion of the training process the candidate may test for certification.

Written Examinations

The written examination is a randomly generated **100-question** test covering the written objectives from Chapter 5 and Chapter 6, sections 6.1 through 6.1.6 of the NFPA 1006 standard. A minimum score of 70% is required to pass the certification examination. Firefighters failing the first attempt of the written exam will be permitted to retest the next time test is administered. A candidate who passes the written test will have up to two years or a minimum of two offerings, to complete the manipulative skills portion of the testing.

SAMPLE WRITTEN EXAMINATION QUESTIONS:

The transfer of heat by the movement of air or liquid would be considered?

- | | |
|---------------|-------------------------|
| a. Conduction | c. Convection |
| b. Radiation | d. Direct-flame contact |

The technical rescuer's common goal is to?

- | | |
|--|--------------------------------|
| a. Problem solve | c. Cut corners |
| b. Research and buy the safest equipment | d. Perform rescue at all costs |

Manipulative Skills Examination

This is a two-step examination. The first step is a department records check and the second step is a manipulative skills examination. Certification testers certified to Tester II or Tester III by the Fargo Fire Department conduct the examination. Initial testing will be conducted by outside Pro Board certified testers

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:

1. Candidate has completed all training requirements for the Technical Rescuer (20013 Edition) JPR's (Chapter 5) and Technical Rescuer Rope Rescue (Chapter 6) from the NFPA 1006 standard.
2. The training officer has signed off each manipulative skill.
3. The total number of hours trained on each manipulative skill.

The manipulative skills examination is graded on a 100% pass/fail basis. The test is graded in the following areas:

- **Safely** – Each manipulative skill objective must be completed safely. Actions that could injure an 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 Fargo Standard. This includes performing the proper steps in sequence when required. Competence will be measured in accordance with the Fargo Fire Department manipulative skill objectives.

Candidates are tested on **six (6) manipulative skills with three (3) taken from the JPR's Chapter 5 and three (3) taken from Rope Rescue, Level 1, Chapter 6, sections 6.1 through 6.1.6.** No prior notification of the skills being tested will be given.

No training, teaching, or coaching is allowed during the test.

This is a 100% pass/fail test. Candidates are allowed to fail one time and have an opportunity to retest a second time to pass the skills test. If they fail a second time, this will be a failure for the entire skills testing portion of the examination.

Candidates who fail the manipulative examination will be required to complete further training on those areas that they were not successful in the testing. They would be eligible to test the next time it is offered at no extra charge. Candidates returning for testing will be tested on a new set of skills for the new testing period, that may or may not include the skill missed in the previous testing.

Prerequisites for Tech Rope Rescue Level I/ JPR's (Chapter 5)

Candidates must meet all requirements on page 3 and 4 of this document.

Prior to certification at the level, firefighters must be Pro Board certified at the Hazardous Materials First Responder- **Awareness** level and Hazardous Materials First Responder- **Operations** level.

CERTIFICATION CHECKLIST

TECH ROPE RESCUE LEVEL I/ JPR's (Chapter 5)

ENTRANCE REQUIREMENTS:

- Each candidate has met requirements listed in NFPA 1001, Chapter 4 or those established by the authority having jurisdiction.
- Each candidate has met the additional requirements of CPR and medical training.
- Each candidate provides an application/affidavit for testing signed by the candidate and Chief/Head of the Department verifying that all pre-requisites have been completed.

DEPARTMENT TRAINING RECORDS:

- Each participant has a training record for review that shows:
 1. A learning experience in each manipulative skill objective.
 2. Dates of training.
 3. Initials of instructors.
 4. Total number of hours trained in each manipulative skill objective.

ADDITIONAL TRAINING/PREREQUISITE REQUIREMENTS:

- Each participant is certified at the Hazardous Materials Awareness and Operations level.
- Complete IS-700: Introduction to ICS.
- Complete IS-100: Introduction to ICS.
- Complete IS 200; Basic ICS

CERTIFICATION EXAMINATIONS:

- Each participant has passed the Fargo Fire Department Pro Board written examination.
- Each participant has passed the Fargo Fire Department manipulative skills testing administered by an approved Certification Tester.

CERTIFICATION:

- Certification Coordinator has reviewed records for completeness.

NFPA 1006, 5.2.1 b

Skill 1: Identify support resources

Instructions to Tester- Safety is Paramount!

1. Given a specific type of rescue incident the candidate shall identify the needed support resources so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given a specific type of rescue incident the candidate shall identify the needed support resources so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. A rescue incident
2. Incident information

NFPA 1006, 5.2.1 b

Skill 1: Identify support resources

Skill	1 st Att	2 nd Att
1. A rescue cache is managed and tracked		
2. Scene lighting is provided for the tasks to be undertaken		
3. Environmental concerns are managed		
4. Personnel rehab is facilitated		
5. The support operation facilitates the rescue operational objectives		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.2.2 b

Skill 2: Size Up a Rescue Incident

Instructions to Tester- Safety is Paramount!

1. Given background information and applicable reference materials, the candidate shall size up a rescue incident so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given background information and applicable reference materials, the candidate shall size up a rescue incident so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Background information
2. Applicable reference materials

NFPA 1006, 5.2.2 b

Skill 2: Size Up a Rescue Incident

Skill	1 st Att	2 nd Att
1. The type of rescue is determined		
2. The number of victims is identified		
3. The last reported location of victims is established		
4. Witnesses and reporting parties are identified and interviewed		
5. Resource needs are assessed		
6. Search parameters are identified/ scene safe		
7. Information to help develop the incident action plan is obtained		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.2.3 b

Skill 3: Manage Incident Hazards

Instructions to Tester- Safety is Paramount!

1. Given scene control barriers, personal protective equipment, requisite equipment and available specialized resources, the candidate shall manage incident hazards so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given scene control barriers, personal protective equipment, requisite equipment and available specialized resources, the candidate shall manage incident hazards so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Applicable reference material
3. Barrier tape

NFPA 1006, 5.2.3 b

Skill 3: Manage Incident Hazards

Skill	1 st Att	2 nd Att
1. All hazards are identified		
2. Resource application fits the operational requirements		
3. Hazard isolation is considered		
4. Risks to rescuers and victims are minimized, (risk/benefit)		
5. Rescue time constraints are taken into account		

PERFORMANCE RATING ON THIS SKILL
FAIL

PASS

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.2.4 b

Skill 4: Manage Resources in a Rescue Incident

Instructions to Tester- Safety is Paramount!

1. Given incident information, a means of communication, resources, tactical worksheets, personnel accountability protocol, and standard operating procedures, the candidate shall manage resources in a rescue incident so the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given incident information, a means of communication, resources, tactical worksheets, personnel accountability protocol, and standard operating procedures, the candidate shall manage resources in a rescue incident so the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Applicable reference material
3. Portable radio

NFPA 1006, 5.2.4 b

Skill 4: Manage Resources in a Rescue Incident

Skill	1 st Att	2 nd Att
1. References are utilized		
2. Personnel are accounted for		
3. Deployed resources achieve desired results		
4. Incident actions are documented		
5. Rescue efforts are coordinated		
6. The command structure is established		
7. Task assignments are communicated and monitored		
8. Actions are consistent with applicable regulations		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.2.5 b

Skill 5: Conduct a Search

Instructions to Tester- Safety is Paramount!

1. Given hazard specific personal protective equipment, equipment pertinent to search mission, an incident location, and victim investigative information, the candidate shall conduct a search so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given hazard specific personal protective equipment, equipment pertinent to search mission, an incident location, and victim investigative information, the candidate shall conduct a search so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Applicable reference material
3. Portable radio
4. Equipment pertinent to search

NFPA 1006, 5.2.5 b
Skill 5: Conduct a Search

Skill	1 st Att	2 nd Att
1. Search parameters are established		
2. Victim profile is established and communicated		
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 updated and relayed to command		
4. All 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		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.2.6 b

Skill 6: Perform Ground Support Operations for Helicopter Activities

Instructions to Tester- Safety is Paramount!

1. Given a rescue scenario incident, helicopter, incident plans, personal protective equipment, requisite equipment, and available specialized resources, the candidate shall perform ground support operations for helicopter activities so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given a rescue scenario incident, helicopter, incident plans, personal protective equipment, requisite equipment, and available specialized resources, the candidate shall perform ground support operations for helicopter activities so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Cones
3. Portable radio

NFPA 1006, 5.2.6 b

Skill 6: Perform Ground Support Operations for Helicopter Activities

Skill	1 st Att	2 nd Att
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 aircraft personnel until the assignment is complete		
4. Fire suppression is provided in the event of aircraft mishap		
5. Establishes and maintains scene safety		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.2.7 b

Skill 7: Terminate a Technical Rescue Operation

Instructions to Tester- Safety is Paramount!

1. Given an incident scenario, assigned resources and sight safety data, the candidate shall terminate a technical rescue operation so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an incident scenario, assigned resources and sight safety data, the candidate shall terminate a technical rescue operation so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Pertinent reference material

NFPA 1006, 5.2.7 b

Skill 7: Terminate a Technical Rescue Operation

Skill	1 st Att	2 nd Att
1. Rescuer risk and site safety are managed		
2. Scene security is maintained and custody transferred to a responsible party		
3. Personnel and resources are returned to a state of readiness		
4. Record keeping and documentation occur		
5. Post event analysis is conducted		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.3.1 b

Skill 8: Triage Victims

Instructions to Tester- Safety is Paramount!

1. Given triage tags and local protocol, the candidate shall triage victims so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given triage tags and local protocol, the candidate shall triage victims so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Triage tags

NFPA 1006, 5.3.1 b
Skill 8: Triage Victims

Skill	1 st Att	2 nd Att
1. Scene safe and body substance isolation		
2. Triage decisions reflect resource capabilities		
3. The severity of injuries is determined and attaches appropriate triage tags		
4. Victim care and rescue priorities are established in accordance with local protocol		

PERFORMANCE RATING ON THIS SKILL
FAIL

PASS

First Attempt ___ ___

Second Attempt ___ ___

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.3.2 b

Skill 9: Move a Victim in a Low-Angle Environment

Instructions to Tester- Safety is Paramount!

1. Given victim transport equipment, litter, other specialized equipment and victim removal systems specific to the rescue environment, the candidate as a part of a team, shall move a victim in a low-angle environment so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given victim transport equipment, litter, other specialized equipment and victim removal systems specific to the rescue environment, the candidate as a part of a team, shall move a victim in a low-angle environment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Litter
3. Specialized equipment for scenario

NFPA 1006, 5.3.2 b

Skill 9: Move a Victim in a Low-Angle Environment

Skill	1st Att	2nd Att
1. The victim is moved without any further injuries		
2. Risks to rescuers are minimized		
3. The integrity of the victims securement within the transfer device chosen is established and maintained		
4. The means of attachment to the rope rescue system is maintained		
5. The victim is removed from the hazard		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.3.3 b

Skill 10: Transfer a Victim to Emergency Medical Services (EMS)

Instructions to Tester- Safety is Paramount!

1. Given local medical protocols, the candidate shall transfer a victim to emergency medical services so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given local medical protocols, the candidate shall transfer a victim to emergency medical services so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Victim

NFPA 1006, 5.3.3 b

Skill 10: Transfer a Victim to Emergency Medical Services (EMS)

Skill	1 st Att	2 nd Att
1. All pertinent information is passed from rescuer to EMS provider		
2. The victim is transferred to EMS		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.4.1 b

Skill 11: Inspect and Maintain Hazard Specific PPE or Equipment

Instructions to Tester- Safety is Paramount!

1. Given clothing or equipment for protection of the rescuers, including respiratory protection, 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, the candidate shall inspect and maintain hazard specific personal protective equipment so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given clothing or equipment for protection of the rescuers, including respiratory protection, 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, the candidate shall inspect and maintain hazard specific personal protective equipment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Equipment determined by scenario such as SCBA

NFPA 1006, 5.4.1 b

Skill 11: Inspect and Maintain Hazard Specific PPE or Equipment

Skill	1st Att	2nd Att
1. Damage, defects and wear are identified and reported or repaired		
2. Equipment functions as designed		
3. Preventative maintenance including cleaning has been performed and documented consistent with the manufacturers recommendations		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt ___ ___

Second Attempt ___ ___

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.4.2 b

Skill 12: Inspect and Maintain Rescue Equipment

Instructions to Tester- Safety is Paramount!

1. Given maintenance logs and records, tools and resources as indicated by the manufacturer's guidelines, equipment replacement protocol and AHJ standard operating guidelines, the candidate shall inspect and maintain rescue equipment so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given maintenance logs and records, tools and resources as indicated by the manufacturer's guidelines, equipment replacement protocol and AHJ standard operating guidelines, the candidate shall inspect and maintain rescue equipment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Equipment determined by scenario such as rope

NFPA 1006, 5.4.2 b

Skill 12: Inspect and Maintain Rescue Equipment

Skill	1st Att	2nd Att
1. The operational status of equipment is verified and documented		
2. All components are checked for operation		
3. Deficiencies are reported as indicated by standard operating procedure		
4. Items subject to replacement protocol are correctly disposed of and changed		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt ___ ___

Second Attempt ___ ___

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.1 b

Skill 13: Tie Knots, Bends and Hitches

Instructions to Tester- Safety is Paramount!

1. Given ropes and webbing, the candidate will tie knots, bends and hitches so that the knots are dressed, recognizable and backed up as required.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given ropes and webbing, the candidate will tie knots, bends and hitches so that the knots are dressed, recognizable and backed up as required.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rope
2. Webbing

NFPA 1006, 5.5.1 b

Skill 13: Tie Knots, Bends and Hitches

Skill	1st Att	2nd Att
Ties representative knots, bends or hitches for the following purposes:		
1. End of line loop (e.g. Figure 8 on a bight)		
2. Midline loop (e.g. Butterfly)		
3. Secures rope around a desired object (e.g. Figure eight follow through)		
4. Joins rope or webbing together (e.g. Becket bend)		
5. Ties a gripping rope (e.g. Prusik knot)		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.2 b

Skill 14: Construct a Single Point Anchor System

Instructions to Tester- Safety is Paramount!

1. Given an incident situation, life safety rope and other auxiliary rope rescue equipment, the candidate shall construct a single point anchor system so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an incident situation, life safety rope and other auxiliary rope rescue equipment, the candidate shall construct a single point anchor system so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rope
2. Webbing
3. Auxiliary rope rescue equipment
4. Incident situation

NFPA 1006, 5.5.2 b

Skill 14: Construct a Single Point Anchor System

Skill	1 st Att	2 nd Att
1. The chosen system fits the incident needs		
2. The system meets or exceeds the expected load		
3. The system does not interfere with rescue operations		
4. An efficient anchor point is chosen		
5. The need for redundant anchor points is assessed and used as required		
6. The system is inspected and loaded prior to being placed in service		
7. The integrity of the system is maintained throughout the operation		

PERFORMANCE RATING ON THIS SKILL
FAIL

PASS

First Attempt _____ _____
 Second Attempt _____ _____

Candidate Signature _____
 Tester Signature 1st Attempt _____
 Tester Signature 2nd Attempt _____
 Date _____

NFPA 1006, 5.5.3 b

Skill 15: Place Edge Protection

Instructions to Tester- Safety is Paramount!

1. Given life safety rope or webbing traversing a sharp or abrasive edge, edge protection and other auxiliary rope rescue equipment, the candidate shall place the edge protection so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given life safety rope or webbing traversing a sharp or abrasive edge, edge protection and other auxiliary rope rescue equipment, the candidate shall place the edge protection so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rope
2. Webbing
3. Auxiliary rope rescue equipment
4. Edge protection

NFPA 1006, 5.5.3 b
Skill 15: Place Edge Protection

Skill	1 st Att	2 nd Att
1. The rope or webbing is protected from abrasion or cutting		
2. The rescuer is safe from falling while placing the edge protection		
3. The edge protection is secure		
4. The rope or webbing is securely placed on the edge protection		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.4 b

Skill 16: Construct a Simple Rope Mechanical Advantage System

Instructions to Tester- Safety is Paramount!

1. Given life safety rope, carabiners, pulleys, rope grab devices and auxiliary rope rescue equipment the candidate shall construct a simple rope mechanical advantage system so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given life safety rope, carabiners, pulleys, rope grab devices and auxiliary rope rescue equipment the candidate shall construct a simple rope mechanical advantage system so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rescue Rope
2. Carabiners
3. Auxiliary rope rescue equipment
4. Pulleys
5. Rope grab devices

NFPA 1006, 5.5.4 b

Skill 16: Construct a Simple Rope Mechanical Advantage System

Skill	1 st Att	2 nd Att
1. The system constructed can accommodate the load and is efficient		
2. The system is connected to an anchor system and the load		
3. System is safety checked		

PERFORMANCE RATING ON THIS SKILL
FAIL

PASS

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.5 b

Skill 17: Direct a Low Angle Raising Operation

Instructions to Tester- Safety is Paramount!

1. Given rescue personnel, a minimum load haul distance of 10 feet, an established rope rescue system incorporating a simple rope mechanical advantage system, a load to be moved and an anchor system, the candidate shall direct the team in the operation of a simple rope mechanical advantage system in a low angle raising operation so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given rescue personnel, a minimum load haul distance of 10 feet, an established rope rescue system incorporating a simple rope mechanical advantage system, a load to be moved and an anchor system, the candidate shall direct the team in the operation of a simple rope mechanical advantage system in a low angle raising operation so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rescue personnel
2. Established rope rescue system- simple mechanical advantage
3. Load to be moved
4. Anchor system

NFPA 1006, 5.5.5 b
Skill 17: Direct a Low Angle Raising Operation

Skill	1 st Att	2 nd Att
1. The movement is controlled		
2. The load can be held in place when needed		
3. Operating methods do not stress the system to the point of failure		
4. Commands are used to direct the operation		
5. Potential problems are identified, communicated and managed		
6. Safety concerns are managed		

PERFORMANCE RATING ON THIS SKILL
FAIL

PASS

First Attempt ___ ___

Second Attempt ___ ___

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.6 b

Skill 18: Function as a Litter Tender

Instructions to Tester- Safety is Paramount!

1. Given rope rescue system, a minimum lower or haul distance of 20 feet, life safety harnesses, litters, bridles, and specialized equipment necessary for the environment, the candidate shall function as a litter tender in a low angle lowering or hauling operation so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given rope rescue system, a minimum lower or haul distance of 20 feet, life safety harnesses, litters, bridles, and specialized equipment necessary for the environment, the candidate shall function as a litter tender in a low angle lowering or hauling operation so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rescue personnel
2. Established rope rescue system
3. Safety harnesses
4. Litter
5. Bridles
6. Specialized equipment for operation

NFPA 1006, 5.5.6 b

Skill 18: Function as a Litter Tender

Skill	1 st Att	2 nd Att
1. Properly select and use harness PPE for environment		
2. Risks to victims and rescuers are minimized		
3. The means of attachment to the rope rescue system is secure		
4. The terrain is negotiated while minimizing risks to equipment and persons		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.7 b

Skill 19: Construct a Lowering System

Instructions to Tester- Safety is Paramount!

1. Given an anchor system, life safety ropes, descent control device and auxiliary rope rescue equipment, the candidate shall construct a lowering system so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an anchor system, life safety ropes, descent control device and auxiliary rope rescue equipment, the candidate shall construct a lowering system so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Anchor system
2. Life safety ropes
3. Descent control device
4. Auxiliary rope rescue equipment

NFPA 1006, 5.5.7 b

Skill 19: Construct a Lowering System

Skill	1st Att	2nd Att
1. The system can accommodate the load and is efficient		
2. The system is capable of controlling the descent		
3. The system is capable of holding the load in place or lowering with minimal effort over the required distance		
4. The system is connected to an anchor system and load		
5. A system safety check is performed		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.8 b

Skill 20: Direct a Low Angle Lowering Operation

Instructions to Tester- Safety is Paramount!

1. Given rescue personnel, an established lowering system, a minimum load travel distance of 10 feet, and a load to be moved, the candidate shall direct a lowering operation in a low angle environment so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given rescue personnel, an established lowering system, a minimum load travel distance of 10 feet, and a load to be moved, the candidate shall direct a lowering operation in a low angle environment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rescue Personnel
2. Lowering system
3. Auxiliary rope rescue equipment

NFPA 1006, 5.5.8 b

Skill 20: Direct a Low Angle Lowering Operation

Skill	1 st Att	2 nd Att
1. The movement is controlled		
2. The load can be held in place when needed		
3. Operating methods do not stress the system to the point of failure		
4. Rope commands are used to direct the operation		
5. Potential problems are identified, communicated and managed		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.9 b

Skill 21: Construct a Belay system

Instructions to Tester- Safety is Paramount!

1. Given life safety rope, anchor systems, personal protective equipment and rope rescue equipment the candidate shall construct a belay system so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given life safety rope, anchor systems, personal protective equipment and rope rescue equipment the candidate shall construct a belay system so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Life safety rope
2. Anchor systems
3. Proper PPE
4. Auxiliary rope rescue equipment

NFPA 1006, 5.5.9 b

Skill 21: Construct a Belay system

Skill	1 st Att	2 nd Att
1. The system is capable of arresting a fall		
2. A fall will not result in system failure		
3. The system is not loaded unless actuated		
4. Actuation of the system will not injure or otherwise incapacitate the belayer		
5. The belayer is not rigged into the equipment components of the system		
6. The system is suitable to the site		
7. The system is connected to an anchor system and the load		
8. System is safety checked		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.10 b

Skill 22: Operate a Belay system

Instructions to Tester- Safety is Paramount!

1. Given an operating lowering or hauling system, a minimum load travel distance of 10 feet, a belay system and a load, the candidate shall operate a belay system so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an operating lowering or hauling system, a minimum load travel distance of 10 feet, a belay system and a load, the candidate shall operate a belay system so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Belay hauling system
2. Load
3. Proper PPE

NFPA 1006, 5.5.10 b

Skill 22: Operate a Belay system

Skill	1 st Att	2 nd Att
1. The belay line is not loaded during operation of primary rope rescue system		
2. The belay system is prepared for actuation at all times during the operation		
3. The belayer is attentive at all times during the operation		
4. The load's position is continuously monitored		
5. The belayer moves rope through the belay device as designed		
6. Wears appropriate PPE		
7. Safety check completed		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.11 b

Skill 23: Belay a Falling Load

Instructions to Tester- Safety is Paramount!

1. Given a belay system and a dropped load, the candidate shall belay the falling load so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given a belay system and a dropped load, the candidate shall belay the falling load so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Belay hauling system
2. Load
3. Proper PPE

NFPA 1006, 5.5.11 b
Skill 23: Belay a Falling Load

Skill	1 st Att	2 nd Att
1. The belay is not taut until the load is falling		
2. The belay device is actuated when the load falls		
3. The fall is arrested		
4. The loads position is continually monitored		
5. The belayer utilizes the belay device as designed		
6. The belayer is not injured or otherwise incapacitated during the actuation of the belay system		
7. Proper PPE is worn		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 5.5.12 b

Skill 24: Conduct a System Safety Check

Instructions to Tester- Safety is Paramount!

1. Given a rope rescue system and rescue personnel, the candidate shall conduct a system safety check so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given a rope rescue system and rescue personnel, the candidate shall conduct a system safety check so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Hauling system
2. Load
3. Proper PPE

NFPA 1006, 5.5.12 b

Skill 24: Conduct a System Safety Check

Skill	1 st Att	2 nd Att
1. A physical /visual safety check of the system is made to ensure proper rigging		
2. The load test is performed prior to life loading the system		
3. Verbal confirmation of these actions is announced and acknowledged before life loading the rope rescue system		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

Appendix A

Technical Rescue JPR's Training Record						
Training Record			In House Exam			Manipulative Skill Demonstrated
Date	Inst	Hours	Date	Inst	P/F	
						1. Identify needed support resources
						2. Size up a rescue incident
						3. Manage incident hazards
						4. Manage resources in a rescue incident
						5. Conduct a search
						6. Conduct ground support operations for helicopter activities
						7. Terminate a technical rescue operation
						8. Triage victims
						9. Move a victim in a low angle environment
						10. Transfer a victim to emergency medical services
						11. Inspect and maintain hazard specific personal protective equipment
						12. Inspect and maintain rescue equipment
						13. Tie knots, bends and hitches
						14. Construct a single point anchor

						system
						15. Place edge protection
						16. Construct a simple rope mechanical advantage system
						17. Direct a team in the operation of a simple rope mechanical advantage system in a low angle raising operation
						18. Function as a litter tender in a low angle lowering or hauling operation
						19. Construct a lowering system
						20. Direct a lowering operation in a low angle environment
						21. Construct a belay system
						22. Operate a belay system during a lowering or raising operation in a high angle environment
						23. Belay a falling load in a high angle environment
						24. Conduct a system safety check

ROPE RESCUE TECHNICIAN SKILLS

LEVEL I



Reference Source: 2013 NFPA 1006, Technical Rescuer Professional Qualifications

NFPA 1006, 6.1.1 b

Skill 1: Direct a High Angle Raising Operation

Instructions to Tester- Safety is Paramount!

1. Given rescue personnel, minimum load haul distance of 10 feet, an established rope rescue system incorporating a simple rope mechanical advantage system, a load to be moved and an anchor system, the candidate shall direct the team in the operation of a simple rope mechanical advantage system in a high angle raising operation so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given rescue personnel, a minimum load haul distance of 10 feet, an established rope rescue system incorporating a simple rope mechanical advantage system, a load to be moved and an anchor system, the candidate shall direct the team in the operation of a simple rope mechanical advantage system in a high angle raising operation so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rescue personnel
2. Established rope rescue system- simple mechanical advantage
3. Load to be moved
4. Anchor system

NFPA 1006, 6.1.1 b

Skill 1: Direct a High Angle Raising Operation

Skill	1st Att	2nd Att
1. The movement is controlled		
2. The load can be held in place when needed		
3. Operating methods do not stress the system to the point of failure		
4. Commands are used to direct the operation		
5. Potential problems are identified, communicated and managed		
6. Safety concerns are managed		

PERFORMANCE RATING ON THIS SKILL
FAIL

PASS

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.1.2 b

Skill 2: Direct a High Angle Lowering Operation

Instructions to Tester- Safety is Paramount!

1. Given rescue personnel, an established lowering system, a minimum load travel distance of 10 feet, and a load to be moved, the candidate shall direct a lowering operation in a high angle environment so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given rescue personnel, an established lowering system, a minimum load travel distance of 10 feet, and a load to be moved, the candidate shall direct a lowering operation in a high angle environment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Rescue Personnel
2. Lowering system
3. Auxiliary rope rescue equipment

NFPA 1006, 6.1.2 b

Skill 2: Direct a High Angle Lowering Operation

Skill	1 st Att	2 nd Att
1. The movement is controlled		
2. The load can be held in place when needed		
3. Operating methods do not stress the system to the point of failure		
4. Rope commands are used to direct the operation		
5. Potential problems are identified, communicated and managed		

PERFORMANCE RATING ON THIS SKILL
FAIL

PASS

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.1.3 b

Skill 3: Construct a Multiple Point Anchor System

Instructions to Tester- Safety is Paramount!

1. The candidate shall 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 critical angle is not exceeded, 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.
2. The candidate will not be allowed to review the performance steps at the time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. 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 and the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. ½” static kernmantle rope
3. 5 carabiners
4. Webbing or anchor strap

NFPA 1006, 6.1.3 b

Skill 3: Construct a Multiple Point Anchor System

Skill	1 st Att	2 nd Att	
1. Determines incident needs that require an anchor system			
2. Chooses correct anchor system			
3. Selects appropriate equipment			
4. Selects effective knots			
5. Calculates expected load			
6. Evaluates incident operations as related to interference concerns and set-up			
7. Chooses anchor points for expected load			
8. Performs system safety check and insures that the critical angles of 120 degrees are not exceeded			
9. Evaluates system components for compromised integrity			

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt ___ ___

Second Attempt ___ ___

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.1.4 b

Skill 4: Construct a Compound Rope Mechanical Advantage System

Instructions to Tester- Safety is Paramount!

1. The candidate shall construct a compound rope mechanical advantage system, given a load, an anchor system, life safety rope, carabiners, pulleys, rope grab devices and rope rescue equipment, so that the system constructed accommodates the load, reduces the force required to lift the load, operational interference is factored and minimized, the system is efficient, a system safety check is completed, and the system is connected to an anchor system and the load.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Construct a compound rope mechanical advantage system, given a load, an anchor system, life safety rope, carabiners, pulleys, rope grab devices, and rope rescue equipment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. ½" static kernmantle rope
3. Carabiners
4. Webbing or anchor strap
5. Webbing with mariners knot
6. Pulleys
7. Tandem triple wrap prusik belay

NFPA 1006, 6.1.4 b

Skill 4: Construct a Compound Rope Mechanical Advantage System

Skill	1st Att	2ndAtt
1. Determine incident needs that require a compound rope system		
2. Selects appropriate equipment		
3. Selects effective knots		
4. Constructs appropriate compound mechanical advantage system		
5. Calculates expected load		
6. Evaluates incident operations as related to interference concerns and set-up		
7. Performs safety check		
8. Evaluates system components for compromised integrity		
9. System constructed allows the load to be secured in place, to reset		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.1.5 b

Skill 5: Construct a Fixed Rope System

Instructions to Tester- Safety is Paramount!

1. The candidate shall construct a fixed rope system, given an anchor system, life safety rope and rope rescue equipment so that the system constructed can accommodate the load, is efficient and is connected to an anchor system and the load, a safety check is performed with the results meeting the incident requirements for descending or ascending operations.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Construct a fixed rope system, given an anchor system; life safety rope and rope rescue equipment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. ½” static kernmantle rope
3. Carabiners
4. Webbing
5. Tandem triple wrap prusik belay

NFPA 1006, 6.1.5 b Skill 5: Construct a Fixed Rope System
--

Skill	1st Att	2nd Att
1. Selects appropriate equipment		
2. Selects effective knots		
3. Calculates expected load		
4. Uses effective rigging techniques		
5. Evaluates incident operations as related to interference concerns and set-up		
6. Performs system safety check		
7. Evaluates system components for compromised integrity		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.1.6 b

Skill 6: Direct the Operation of a Compound Rope Mechanical Advantage System

Instructions to Tester- Safety is Paramount!

1. The candidate shall direct the operation of a compound rope mechanical advantage system given a rope rescue system incorporating a compound rope mechanical advantage system and a load to be moved. A system safety check is performed, the movement of the load 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.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Direct the operation of a compound rope mechanical advantage system given a compound rope mechanical advantage system and a load to be moved so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. ½" static kernmantle rope
3. Carabiners
4. Prusiks
5. Pulley
6. Webbing with mariners knot
7. Tandem triple wrap prusik belay

NFPA 1006, 6.1.6 b
Skill 6: Direct the Operation of a Compound Rope Mechanical Advantage System

Skill	1st Att	2nd Att
1. Determine incident needs		
2. Evaluates incident operations as related to interference concerns		
3. Performs safety check		
4. Evaluates system components for compromised integrity		
5. Directs personnel effectively		
6. Communicates Commands		
7. Analyses system efficiency		
8. Manages load movement, lock off and reset		
9. Identifies concerns		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.1.7 b

Skill 7: Ascend a Fixed Rope

Instructions to Tester- Safety is Paramount!

1. The candidate shall ascend a fixed rope given an anchored fixed rope system to allow ascent of a fixed rope, a structure, a belay system, a life safety harness worn by the person ascending and personal protective equipment 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 ascent control device(s) with at least two points of contact so 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, and the system is suitable for the site and the objective is reached.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Ascend a fixed rope given an anchored fixed rope system, given a system to allow ascent of a fixed rope, a structure, a belay system, a life safety harness worn by the person ascending and personal protective equipment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | |
|------------------------------|----------------------------|
| 1. Proper PPE | 4. Gibbs Ascenders |
| 2. ½" static kernmantle rope | 5. Rescue harness |
| 3. Carabiners | 6. Ertier multi-loop strap |

NFPA 1006, 6.1.7 b Skill 7: Ascend a Fixed Rope
--

Skill	1st Att	2nd Att
1. Evaluates surroundings for potential hazards		
2. Selects proper rescue harness and PPE		
3. Selects system for ascending rope		
4. attaches the life safety harness to the rope rescue system		
5. Configures ascent control devices to form a system for ascending a fixed rope		
6. Makes connections to the ascending rope		
7. Maneuvers around existing environment and system specific obstacles		
8. Converts the ascending system to descending system while suspended from the fixed rope		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 6.1.8 b

Skill 8: Descend a Fixed Rope

Instructions to Tester- Safety is Paramount!

1. The candidate shall descend a fixed rope, given an anchored fixed rope system, a system to allow descent on a fixed rope, a belay system, a life safety harness worn by the person descending, and personal protective equipment, so that the person descending is attached 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 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 and the system is suitable for the site and the objectives.
2. The candidate will not be allowed to review the performance steps at time of testing.
3. Prevent or prohibit any unsafe acts.
4. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Descend a fixed rope, given an anchored fixed rope system, a system to allow descent of a fixed rope, a belay system, a life safety harness worn by the person descending, and personal protective equipment so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

- | | | |
|------------------------------|-------------------|------------------------------------|
| 1. Proper PPE | 4. Webbing | 7. Tandem triple wrap prusik belay |
| 2. ½” static kernmantle rope | 5. Rescue harness | |
| 3. Carabiners | 6. Brake bar rack | |

NFPA 1006, 6.1.8 b Skill 8: Descend a Fixed Rope

Skill	1st Att	2nd Att
1. Evaluates surrounding for potential hazards		
2. Selects proper harness and PPE		
3. Selects a system for descending a fixed rope		
4. Attaches the life safety harness to the rope rescue system		
5. Makes attachment of the descent control device to the rope and the life safety harness		
6. Operates the descent control device		
7, Maneuvers around existing environment and system specific obstacles		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

Appendix B

Rope Rescue Technician Training Record						
Level I						
Training Record			In House Exam			Manipulative Skill Demonstrated
Date	Inst	Hours	Date	Inst	P/F	
						1. Direct a team in the operation of a simple rope mechanical advantage system in a high angle raising operation
						2. Direct a lowering operation in a high angle environment
						3. Construct a multiple point anchor system
						4. Construct a compound rope mechanical advantage system
						5. Construct a fixed rope system
						6. Direct the operation of a compound rope mechanical advantage system
						7. Ascend a fixed rope
						8. Descend a fixed rope

Rope Rescue Equipment List

300' lifelines ½" kernmantle
200' lifelines ½" kernmantle
Basket stretcher
Backboard
Hard hats
Gloves
Ascenders
Anchor plates
Steel "o" rings
Brake bar racks
Locking carabiners
Oval carabiners
2 inch pulleys
4 inch pulleys
2 inch double pulleys
4 inch double pulleys
Prusiks
Edge roller/protector
Webbing
Harnesses
Adjustable anchor straps
Pick off strap
Head immobilizer
Assorted lumber for A frame or Paratech System
Mariners hitch webbing