



# Technical Rescuer

*NFPA 1006-2013*

***Guide for  
Lead Instructor &  
Practical  
Skills Evaluators***



## MISSION

**The Division of Fire Safety provides proactive statutory enforcement, regulatory oversight, and education to protect all lives and property from the devastation of fires, explosions and life safety perils.**



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

# *Guide for Lead Instructors & Practical Skill Evaluators*

### TABLE OF CONTENTS

Certification Process .....	Page 3
<b>Technical Rescue Course Guide</b>	
Approved Technical Rescue Courses.....	Page 4
Technical Rescue Course Requirements .....	Page 4
Procedure for Technical Rescue Course Approval.....	Page 8
<b>Technical Rescue Practical Skills Testing</b>	
Application for Practical Skills Testing.....	Page 10
Assignment of Practical Skills Exam Evaluators.....	Page 10
Practical Skills Testing Procedures.....	Page 12
Practical Skills Safety Training Plan.....	Page 12
<b>Technical Rescue Certification and Re-Certification</b>	
Applicants Requirements for Tech Rescue Core Certification.....	Page 16
Applicants Requirements for Tech Rescue Rope Level I Certification.....	Page 16
Applicants Requirements for Tech Rescue Rope Level II Certification.....	Page 17
Certification Written Test Requirements .....	Page 18
Technical Rescue Re-certification Requirements.....	Page 19
Technical Rescue Course Forms.....	Page 22
Technical Rescue Course Recommended Equipment List.....	Page 34



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

## Certification Process

The guidelines for the state certification program are designed to ensure the following: accountability, consistency, and credibility of instruction, testing, and certification of first responders and public sector officials and employees in the State of Missouri.

### **Goals of the Certification Program:**

1. To raise the level of fire protection for the State of Missouri.
2. To improve training and education for first responders and public sector officials and employees.
3. Establish minimum basic training standards for first responders and public sector officials and employees.
4. Issuance of certificates to persons who complete requirements for certification and pass the required state examinations.
5. To maintain records of persons who have attained state certification.

Technical Rescue Core, Rope Level I and Level II Certification is provided through the Missouri Department of Public Safety, Division of Fire Safety. This certification is internationally accredited by the International Fire Service Accreditation Congress (IFSAC) and the National Board on Fire Service Professional Qualifications (ProBoard). The Missouri Division of Fire Safety shall certify individuals at the levels of Technical Rescue Core and Rope Level I and Level II based on a combination of requirements and qualifications.

The Missouri Division of Fire Safety subscribes to the policy of nondiscrimination in areas of race, color, religion, sex, age, national origin, and the handicapped. Entry level qualifications are reviewed to ensure that each applicant meets the specified requirements.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

### *Guide for Lead Instructors & Practical Skill Evaluators*

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## Technical Rescuer Course Guide

### **I. Approved Technical Rescuer Course**

The Jones and Bartlett, *High Angle Rope Rescue Techniques*, Fourth Edition is the sole approved curriculum for Technical Rescuer Core, Rope Level I and Rope Level II certification eligibility.

**When using the above curriculum, Technical Rescuer Core, Rope Level I and Rope Level II may be presented as a COMBINED COURSE.**

### **II. Technical Rescuer Course Requirements**

#### A. Technical Rescuer – Core course

- a. The course must be pre-approved by the Division of Fire Safety prior to course delivery.
- b. The following course instructor requirements must be met for course approval for students to be eligible for certification:
  - i. Lead and/or Assisting Instructors (must be approved by the Division of Fire Safety prior to course delivery):
    1. Certified by the Division of Fire Safety as Fire Service Instructor II or higher. (May be a Fire Service Instructor I with the preapproval of the Division of Fire Safety with certain class conditions)
    2. Certified by the Division of Fire Safety as Technical Rescuer - Core.
    3. Lead Instructor is responsible for maintaining and retaining course records.
  - c. The following chapters from the Jones and Bartlett, *High Angle Rope Rescue Techniques*, Fourth Edition must be delivered as a Missouri Division of Fire Safety approved Technical Rescuer – Core course: Chapters 1-8, 11-13, 15-16, 18 and 21.

#### B. Technical Rescuer – Rope Level I course

- a. The course must be pre-approved by the Division of Fire Safety prior to course delivery.
- b. The following course instructor requirements must be met for course approval for students to be eligible for certification:



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

- i. Lead Instructor (must be approved by the Division of Fire Safety prior to course delivery):
  1. Certified by the Division of Fire Safety as Fire Service Instructor II or higher.
  2. Certified by the Division of Fire Safety as Technical Rescuer Core and Rope Level I.
  3. Responsible for scheduling assisting instructors (a minimum of one (1) assisting instructor is required to assist in the delivery of the practical skill requirements of the course).
  4. Responsible for maintaining and retaining course records.
- ii. Assisting Instructors (must be approved by the Division of Fire Safety prior to course delivery and meet the following criteria):
  1. Certified by the Division of Fire Safety as Fire Service Instructor I or higher.
  2. Certified by the Division of Fire Safety as Technical Rescuer Core and Rope Level I levels.
- c. The following chapters from the Jones and Bartlett, *High Angle Rope Rescue Techniques*, Fourth Edition must be delivered as a Missouri Division of Fire Safety approved Technical Rescuer – Rope Level I course: Chapters 9-10, 14 and 17.

#### C. Technical Rescuer – Rope Level II course

- a. The course must be pre-approved by the Division of Fire Safety prior to course delivery.
- b. The following course instructor requirements must be met for course approval for students to be eligible for certification:
  - i. Lead Instructor (must be approved by the Division of Fire Safety prior to course delivery):
    1. Certified by the Division of Fire Safety as Fire Service Instructor II or higher.
    2. Certified by the Division of Fire Safety as Technical Rescuer Core and Rope Level I.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

3. Responsible for scheduling assisting instructors (a minimum of one (1) assisting instructor is required to assist in the delivery of the practical skill requirements of the course).
  4. Responsible for maintaining and retaining course records.
- ii. Assisting Instructors (must be approved by the Division of Fire Safety prior to course delivery and meet the following criteria):
1. Certified by the Division of Fire Safety as Fire Service Instructor I or higher.
  2. Certified by the Division of Fire Safety as Technical Rescuer Core, Rope Level I and Rope Level II.
- c. The following chapters from the Jones and Bartlett, *High Angle Rope Rescue Techniques*, Fourth Edition must be delivered as a Missouri Division of Fire Safety approved Technical Rescuer – Rope Level II course: Chapters 15, 19 and 20.
- D. Technical Rescuer – Combined Core and Rope Level I course or Combined Core and Rope Level I & II course or Combined Rope Level I and Rope Level II course
- a. The course must be pre-approved by the Division of Fire Safety prior to course delivery.
  - b. The following course instructor requirements must be met for course approval for students to be eligible for certification:
    - i. Lead Instructor (must be approved by the Division of Fire Safety prior to course delivery):
      1. Certified by the Division of Fire Safety as Fire Service Instructor II or higher.
      2. Certified by the Division of Fire Safety at the highest level of Technical Rescuer being delivered.
      3. Responsible for scheduling assisting instructors (a minimum of one (1) assisting instructor is required to assist in the delivery of the practical skill requirements of the course).
      4. Responsible for maintaining and retaining course records.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

- ii. Assisting Instructors (must be approved by the Division of Fire Safety prior to course delivery and meet the following criteria):
  1. Certified by the Division of Fire Safety as Fire Service Instructor I or higher.
  2. Certified by the Division of Fire Safety at the highest level of Technical Rescuer being delivered.
- c. For a Missouri Division of Fire Safety approved Combined course using the Jones and Bartlett, *High Angle Rope Rescue Techniques*, Fourth Edition chapters must be delivered as outlined above for the levels to be delivered.
- E. Each student participating in an approved Technical Rescuer Core course must have the following materials:
  - a. *High-Angle Rope Rescue Techniques*, Fourth Edition, Jones and Bartlett.
  - b. Missouri Division of Fire Safety "*Technical Rescue Core Student Practical Skills*" book.
- F. Each student participating in an approved Technical Rescuer Rope Level I course must have the following materials:
  - a. *High-Angle Rope Rescue Techniques*, Fourth Edition, Jones and Bartlett.
  - b. Rope Rescue Manual, Revised 4<sup>th</sup> edition, CMC.
  - c. Missouri Division of Fire Safety "*Technical Rescue Rope Level I Student Practical Skills*" book.
- G. Each student participating in an approved Technical Rescuer Rope Level II course must have the following materials:
  - a. *High-Angle Rope Rescue Techniques*, Fourth Edition, Jones and Bartlett.
  - b. Rope Rescue Manual, Revised 4<sup>th</sup> edition, CMC.
  - c. Missouri Division of Fire Safety "*Technical Rescue Rope Level II Student Practical Skills*" book.
- H. Each student participating in an approved Combined Technical Rescuer course must have the following materials:
  - a. *High-Angle Rope Rescue Techniques*, Fourth Edition, Jones and Bartlett.
  - b. Rope Rescue Manual, Revised 4<sup>th</sup> edition, CMC.
  - c. Missouri Division of Fire Safety "*Technical Rescue Student Practical Skills*" book for the levels being delivered.





## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

### *Guide for Lead Instructors & Practical Skill Evaluators*

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#### **III. Procedure for Technical Rescuer Course Approval**

- A. To conduct a Technical Rescuer Course, an "Application for Course Delivery" form detailing when and where the course is to be delivered, the levels to be delivered, course completion date, course instructors, and the person responsible for record keeping must be submitted to the Division of Fire Safety prior to the start of the course (included in this booklet).
- After receipt of the "Application for Course Delivery" from the appropriate training entity, the application will be reviewed for approval. An official letter of approval or denial will be sent to the Lead Instructor of the course.
  - Students will not be eligible for certification testing without successfully completing a course approved by the Missouri Division of Fire Safety.
  - Courses will be approved only for departments, approved academies, educational institutions and training entities who are registered with the Division of Fire Safety.

An "Application for Technical Rescuer Evaluator Confirmation" must be received by the Division of Fire Safety at the time of course registration.

- B. The Lead Instructor is responsible for maintaining all permanent course records. Course records must include the original "Technical Rescuer Course Training Record" and original "Practical Skills Summary" for each student.

The local authority having jurisdiction shall agree to inspection of course records at a reasonable hour if deemed necessary by the Division of Fire Safety.

#### C. End of Course Quizzes

- The quizzes are developed by the Missouri Division of Fire Safety.
- End of course quizzes are required for each discipline in Technical Rescuer NFPA 1006, with the student receiving a passing grade of at least 70%.
- Four (4) quizzes are developed for each discipline of Technical Rescuer. The instructor can administer all the same version or a variety of versions to the class.
- Quizzes.
  - Technical Rescuer – Core will consist of a 50 question quiz with a 1 hour time limit to complete.
  - Technical Rescuer – Rope I will consist of a 25 question quiz with a 30 minute time limit to complete.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

- iii. Technical Rescuer – Rope II will consist of a 25 question quiz with a 30 minute time limit to complete.
  - e. In the event a student fails the end of course quiz, they must be given a second attempt to pass the end of course quiz. The student must be given a different version of the quiz than was initially taken.
  - f. If the student fails the second attempt of an end of course quiz, the student would be deemed as failed the course and would not meet the requirements for certification eligibility.
- D. The Lead Instructor must verify that the student has successfully completed the course and performed all of the practical skills during the course by submitting a copy of the completed student's "Technical Rescuer Course Training Record" and completed "Practical Skills Summary" to the Division of Fire Safety. Only students that completed all course requirements will be eligible for written certification testing and practical skills testing.
- E. **The original practical skills (SKILL SHEET #1 and SKILL SHEET #2) from the practical skill booklet must be completed and submitted to the Division of Fire Safety within six (6) months of course completion before certification can be issued to any student. These two (2) skills are part of the practical skill examination and are to be completed individually by the student and not done as a group during the course.**

*NOTE: The Division of Fire Safety recognizes that situations can develop where exceptions need to be made to the above requirements. It is vital that the Lead Instructor or any student notify the Division of any such situation as soon as possible and prior to any test so that special allowance can be discussed.*



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

## Technical Rescuer Practical Skills Testing

#### **IV. Application for Technical Rescuer Practical Skills Testing**

1. The Lead Instructor must apply for practical skills testing in advance by completing the “Application for Technical Rescuer Evaluator Confirmation” form and submitting to the Division of Fire Safety.
  - A. Technical Rescuer – Core course
    - a. The Lead Instructor must submit an “Application for Technical Rescue Evaluator Confirmation” no less than 72 hours prior to the end of the course.
  - B. Technical Rescuer – Combined course or Rope Level I course and/or Rope Level II course.
    - a. The Lead Instructor must contact the Division of Fire Safety after receiving course approval and prior to the start of the course to schedule the Practical Skills testing. This will ensure there are adequate evaluators available to meet the course needs.

#### **V. Assignment of Practical Skills Exam Evaluators**

##### 1. Lead Evaluator

The assignment of the Lead Evaluator for a specific Technical Rescuer Practical Skills examination is approved by the Division of Fire Safety. The Lead Evaluator role is to serve as the administrator of the Practical Skills testing. Responsibilities include:

- A. Prepare a test site safety plan. (see section VI)
- B. Conduct a pre-test meeting with the assigned safety officer and the assisting evaluators.
- C. Conduct a pre-test walk-through with the assisting evaluators and the students.
- D. Manage the assisting evaluators.
- E. Administer any re-tests for students that failed a particular practical skill.
- F. Ensure all testing documents have been completed by assisting evaluators.
- G. Complete the “Practical Skill Exam Sign-off Form” for each student.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

- H. Return all testing documents to the Division of Fire Safety within 7 calendar days after the completion of the Practical Skills Exam.

To serve as a Practical Skill Lead Evaluator for a Technical Rescuer practical skills certification examination, individuals must meet the following criteria:

- A. Serves as an instructor for an approved agency; however, cannot have served as an instructor for the class to be tested.
- B. Be certified by the Division of Fire Safety as a Fire Service Instructor II or higher.
- C. Be certified by the Division of Fire Safety at the Technical Rescuer level they will be evaluating.
- D. Has attended and completed a level specific Technical Rescue Certification Evaluator course.
- E. Agrees to abide by all of the rules and conditions stipulated by the Division of Fire Safety.
- F. Agrees to and signs an "Evaluator Code of Ethics" for each exam administered.

#### 2. Assisting Evaluators

The assignment of the Practical Skill assisting evaluators are chosen through a mutual agreement between the Lead Evaluator and the Division of Fire Safety. Assisting evaluators are predominately used to assist with practical skills testing by evaluating students at each skills station.

To serve as an assisting evaluator for the Division of Fire Safety, individuals must meet the following criteria:

- A. Serves as an instructor for an approved agency; however, cannot have served as an instructor for the class to be tested.
- B. Be certified by the Division of Fire Safety as a Fire Service Instructor I.
- C. Be certified by the Division of Fire Safety at the Technical Rescuer level they will be evaluating.
- D. Has attended and completed a level specific Technical Rescuer Certification Evaluator course.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

- E. Agrees to abide by all of the rules and conditions stipulated by the Division of Fire Safety.
- F. Agrees to and signs an “Evaluator Code of Ethics” form for each exam administered.

Due to the complexity of the Practical Skill Sequences, there must be a minimum of two (2) Exam Evaluators at all Practical Skills Certification Exams.

The number of evaluators is determined by how many skills stations are going to be operated at the same time. A few of the Technical Rescuer Practical skills are a “GROUP” skill. Maximum number of candidates to a testing group is 4.

## **VI. Technical Rescuer Practical Skills Testing Procedures**

1. Technical Rescuer Practical Skills Safety Training Plan
  - a. **During practical skills testing, the safety of all candidates, evaluators, and support staff is of primary importance.** The Lead Instructor must ensure that all personal protective equipment, apparatus, and equipment to be used for the test shall meet or exceed applicable NFPA Standards or their equivalent. Lead Evaluators shall not administer any examination where those standards have not been met and shall immediately contact the Division of Fire Safety with such information.
  - b. The host agency, where the test is to be conducted, has the ultimate responsibility for the safety of all parties involved in the testing process. A Safety Officer shall be selected from either the support staff or from the available members of the fire department who are not testing. This Safety Officer should be an individual with sufficient training and experience to determine potential safety problems and take corrective action.
  - c. A safety training plan will be completed by the Safety Officer and the Lead Evaluator. Once completed all students, evaluators and support staff will be briefed on the safety training plan prior to the commencement of any practical skills testing being conducted.
  - d. The Lead Evaluator and Safety Officer shall brief all assisting evaluators and support staff on specific safety precautions and procedures for certain skills. The Safety Officer shall operate in a roving fashion to ensure that all evolutions are being conducted in a safe manner. The Safety Officer has the authority, regardless of rank, to stop any activity immediately if a dangerous condition or act is observed. Any individual involved with the testing process who observes a potentially hazardous condition must report it to the Safety Officer or an evaluator.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

#### 2. Practical Skills

- a. Practical skills tests are generated by the Division of Fire Safety. Practical skill tests are designed so that the possibility exists that any Job Performance Requirement from the given NFPA Standard can be on a particular skill test. All practical skills exams shall contain a diverse degree of difficulty in job areas.
- b. Technical Rescuer Rope practical skills tested are sequenced in the form of actual contextual skills. Several sequences of skills have been created for the Technical Rescuer levels. A random skill sequence for each level is mailed to the evaluator in sealed envelopes. The benefits of a random selection of sequenced skills ensures the students must be prepared for any skill from the appropriate NFPA standard.
- c. Students must successfully demonstrate a random sampling of practical skills during the Practical Skills Exam in the presence of a certified practical skill exam evaluator.

#### 3. Pre-test Briefing

- a. The Lead Evaluator shall conduct a pretest briefing with all assisting evaluators. This briefing shall include the following information:
  1. A review of the practical skills to be tested.
  2. A review of the acceptable test performance criteria.
  3. A review that all evaluators must refer to the skill checklists and determine if the candidates follow the steps and techniques listed in order to pass the skill.
  4. A review of the proper completion of any forms used in the evaluation.
  5. A review of the procedures to be used for handling questions, problems or failures which may arise during testing.
  6. The completion of the “Evaluator Code of Ethics” form for each evaluator.
- b. Students must complete and pass all skills to be eligible for certification.
  1. To ensure evaluator consistency all evaluators must refer to the skill sheets and determine if the candidates follow the steps and techniques listed in order to pass the required skills.
  2. All of the skills listed on the individual skill sheets must be completed to pass the skills.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

- c. Through training and experience evaluators may know alternative techniques for skills, it is mandatory that candidates perform the skills as specified on the skill sheets.

#### 4. Student Roster Sign-In and Pre-test Briefing.

- a. The Lead Evaluator will require each student to submit a state or federal issued ID for review prior to the student completing the sign-in roster.
- b. The student will need to complete a sign-in roster for each discipline of certification the student will be performing practical skills testing for.
- c. After all students have signed-in for practical skills testing, exam evaluators are to review the following information with the students prior to beginning the Practical Skills exam:
  1. Each candidate must be prepared to take appropriate protective equipment to each skill station.
  2. Each candidate is allowed two attempts to successfully demonstrate a given skill.
  3. Student shall be notified confidentially of their pass/fail status on each skill. Results must not be posted for public viewing.
  4. The Lead Evaluator cannot limit the number of stations which a candidate may have a second attempt.
  5. Requests for a second attempt on a failed skill station must be directed to the Lead Evaluator.
  6. The second attempt shall be done with a different evaluator on the same test day.
  7. Students who need a second attempt are not allowed to confer with other candidates, instructors, or evaluators to relearn or practice a skill.
  8. During the second attempt, the candidate retesting will only be required to repeat the skills within the area of the skill originally failed, not the entire skill sequence.
  9. Should the student fail the second attempt of a practical skill, the student would be deemed as failed the practical skill exam and would not meet the requirements for certification eligibility.
  10. Should the candidate fail the practical exam, he or she will be required to take an approved Technical Rescuer course again before being allowed to test for the



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

same certification level. The student shall be required to successfully complete an approved course and practical skills before applying for the written certification and practical skills exam.

#### 5. Administering the Practical Skill exam

- a. Practical Skill stations should be arranged as to prevent students from observing stations they have not yet completed. Students are not permitted to watch as skill stations are set up. Students must not be allowed to watch as other students are evaluated on their practical skills.
- b. To ensure evaluator consistency all evaluators must refer to the skill sheets and determine if the students follow the steps and techniques listed in order to pass the required skills. All of the skills listed on the individual skill sheets must be completed to pass the skills exam.
- c. Each evaluator at each skill station will hand the student a copy of the skill sheet they are to perform. The station evaluator will read the skill sheet aloud to the student as the student follows along. At the conclusion of reading the skill sheet to the student, the evaluator will take the students copy of the skill sheet and direct the student to perform the skill by reading the instruction statement to the student.
- d. Although through training and experience evaluators may know alternative techniques for skills, it is mandatory that students perform the skills as specified on the skill sheets.

#### 6. Upon Completion of the Technical Rescuer Practical Skills Exam

- a. The Lead Evaluator collects all testing materials from the students.
- b. The Lead Evaluator reviews the student's testing materials to ensure all required skills were tested and pass/fail status correctly indicated.
- c. After reviewing and verifying each student's testing documents, the Lead Evaluator signs each individual's Skills Test Summary and indicates whether the student has passed or failed the exam.
- d. Each student must sign his or her individual Skills Test Summary.
- e. Following practical skills testing, the Lead Evaluator will return the all testing documents to the Division of Fire Safety within 7 working days following the test.





## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

## **Technical Rescuer Certification and Re-certification**

Technical Rescuer certification is granted to those individuals who meet the required qualifications and successfully pass the certification written and practical skill exams. The requirements for Core, Rope Level I and Rope Level II are based on NFPA 1006-2013. Applicants seeking certification at the Technical Rescuer Rope Level I, must first show documentation of having met the requirements for Technical Rescuer Core (Chap 5) Level certification. Applicants seeking certification at the Technical Rescuer Rope Level II, must first show documentation of having met the requirements for Technical Rescuer Rope Level I and Technical Rescue Core (Chap 5) Level certification.

All qualifications must be met and documentation supplied to the Division of Fire Safety prior to admission to the certification examination. **Applicants have one year from the time of course completion to complete the certification process.**

### **VII. Applicant's Requirements for Technical Rescuer Core Certification**

Certification as Technical Rescuer Core Level will be issued to those individuals who have met the following guidelines and provided documentation verifying:

1. Complete the enclosed "Application for Written Certification Testing" including completing the "Authorization for Release of Information" section. Application and authorization must be signed and complete.
2. Successful completion of a Division of Fire Safety approved Technical Rescuer Core Course as verified by the course Lead Instructor.
3. Applicant must be a resident of Missouri, or employed within the State.
4. Must possess a valid Missouri driver's license or a valid state or federal identification.
5. Applicant must attain a score of 70% on the state certification written exam.
6. Applicant must have successfully passed the Technical Rescuer Core practical skill exam.
7. The AHJ must attest to the applicant's meeting minimum entrance requirements as detailed in NFPA 1006, Chapter 4, and Section 4.2. Entrance requirements are detailed in the applicant's skill book and require a department head or designee signature.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

#### **VIII. Applicant's Requirements for Technical Rescuer Rope Level I Certification**

Certification as Technical Rescuer Rope Level I will be issued to those individuals who have met the following guidelines and provided documentation verifying:

1. Complete the enclosed "Application for Written Certification Testing" including completing the "Authorization for Release of Information" section. Application and authorization must be signed and complete.
2. Successful completion of a Division of Fire Safety approved Technical Rescuer Rope Level I Course as verified by the course Lead Instructor.
3. Applicant must be a resident of Missouri, or employed within the State.
4. Must possess a valid Missouri driver's license or a valid state or federal identification.
5. Applicant must attain a score of 70% on the state certification written exam.
6. Applicant must have successfully passed the Technical Rescuer Rope Level I practical skill exam.
7. The AHJ must attest to the applicant's meeting minimum entrance requirements as detailed in NFPA 1006, Chapter 4, and Section 4.2. Entrance requirements are detailed in the applicant's skill book and require a department head or designee signature.

#### **IX. Applicant's Requirements for Technical Rescuer Rope Level II Certification**

Certification as Technical Rescuer Rope Level II will be issued to those individuals who have met the following guidelines and provided documentation verifying:

1. Complete the enclosed "Application for Written Certification Testing" including completing the "Authorization for Release of Information" section. Application and authorization must be signed and complete.
2. Successful completion of a Division of Fire Safety approved Technical Rescuer Rope Level II Course as verified by the course Lead Instructor.
3. Applicant must be a resident of Missouri, or employed within the State.
4. Must possess a valid Missouri driver's license or a valid state or federal identification.
5. Applicant must attain a score of 70% on the state certification written exam.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

### *Guide for Lead Instructors & Practical Skill Evaluators*

6. Applicant must have successfully passed the Technical Rescuer Rope Level II practical skill exam.
7. The AHJ must attest to the applicant's meeting minimum entrance requirements as detailed in NFPA 1006, Chapter 4, and Section 4.2. Entrance requirements are detailed in the applicant's skill book and require a department head or designee signature.

#### **X. Certification Written Test Requirements**

Students must score 70% or better on the state written certification examination to pass.

The Technical Rescuer Core exam consists of 100 multiple choice questions and must be completed within two hours. The Rope Level I and Rope Level II exams consist of 50 multiple choice questions and must be completed within one hour.

For Technical Rescuer Core each question is referenced to NFPA 1006-2013, *Standard for Technical Rescuer Professional Qualifications* and one or more of the following sources:

1. *High Angle Rope Rescue Techniques*, 4<sup>th</sup> edition, Jones and Bartlett

For Technical Rescuer Rope Level I and II exams, each question is referenced to NFPA 1006-2013, *Standard for Technical Rescuer Professional Qualifications* and one or more of the following sources:

1. *High Angle Rope Rescue Techniques*, 4<sup>th</sup> edition, Jones and Bartlett
2. *CMC, Rope Rescue Manual*, Revised 4<sup>th</sup> edition

Students can prepare for the exam through completion of the appropriate course and reviewing the above references. Applicants must take and pass the certification exam within one (1) year of completing the appropriate course.

#### **Sample Test Question**

1. The technical rescuer's primary objective is to:
  - A. do the job safely
  - B. research and buy the safest equipment
  - C. practice until it hurts
  - D. perform rescue at all costs



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

In the event of failure:

1. A student who has failed the written exam on the first attempt may retest at a later date. A student may schedule a retest by submitting an "Application for Written Certification Testing". Students may retest during a scheduled regional exam. A different version of the exam will be administered.
2. Should the candidate fail the written certification exam on the second attempt, he or she will be required to take the appropriate approved Technical Rescuer course again. The student shall be required to successfully complete an approved course and practical skills before applying for the written certification and practical skills exam.

#### **XI. Technical Rescuer Re-certification Requirements**

1. The Technical Rescuer Core, Rope I and Rope II levels shall expire five (5) years from the certification date or from date of recertification.
2. Notification of approaching expiration will be sent to the individual's home address of record prior to the recertification date. The individual is responsible for supplying the Division with a current home address.
3. Technical Rescuer Core, Rope I and Rope II will be required to complete the following criteria in order to renew certification:
  - a. Complete and submit the Re-certification Application.
  - b. Summary of how your duties over the past five (5) years reflect your current certification levels.
  - c. Provide documentation of 8 hours per year as a student or instructor, or any combination, in Technical Rescuer related courses or seminars.
    1. Continuing education courses must be to the highest level you are recertifying to. (Example: If you are recertifying to Rope II your continuing education must include course content and practical skills to the Rope II level). Continuing education training must include demonstration of competency of practical skill evolutions conducted during the approved classes and documentation of these proficiencies.

**Note: All courses and seminars are subject for approval by the Division of Fire Safety.**

4. In the event an individual does not submit the required documentation for re-certification as a Technical Rescuer Core, Rope I and/or Rope II, his or her



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*

certification status will be revoked. In order to obtain current certification, individuals must successfully complete an approved Technical Rescuer course to the desired levels, including a passing score on the written certification exam and successfully passing the practical skills certification exam.



## TECHNICAL RESCUER – CORE AND ROPE LEVEL I AND LEVEL II

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### *Guide for Lead Instructors & Practical Skill Evaluators*



**MISSOURI DIVISION OF FIRE SAFETY  
 TECHNICAL RESCUER CORE  
 NFPA 1006-2013  
 TRAINING RECORD**



*To be completed by the Student:*

Name: \_\_\_\_\_ Last 4 SSN: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

Department/Agency: \_\_\_\_\_

Course Location: \_\_\_\_\_ Course Dates: \_\_\_\_\_

***This Training Record must be completed for each student completing a Division of Fire Safety approved Technical Rescuer Core Course. Failure to complete and submit this form shall result in the individual completing such course to be ineligible for Technical Rescuer Core certification testing.***

<i>End of Course Quiz</i>	<i>Quiz 70% min.</i>	<i>Re-Quiz 70% min.</i>	<i>Instructor</i>	<i>Date</i>
Technical Rescuer – Core				

***I hereby confirm that this individual has attended all Technical Rescuer Core required classes and the information contained on this form is true and complete.***

***Lead Instructor (Print name)*** \_\_\_\_\_

***Lead Instructor Signature:*** \_\_\_\_\_ ***Date:*** \_\_\_\_\_







**MISSOURI DIVISION OF FIRE SAFETY  
 TECHNICAL RESCUER ROPE LEVEL I  
 NFPA 1006-2013  
 TRAINING RECORD**



*To be completed by the Student:*

Name: \_\_\_\_\_ Last 4 SSN: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

Department/Agency: \_\_\_\_\_

Course Location: \_\_\_\_\_ Course Dates: \_\_\_\_\_

***This Training Record must be completed for each candidate completing a Division of Fire Safety approved Technical Rescuer Rope Level I Course. Failure to complete and submit this form shall result in the individual completing such course to be ineligible for Technical Rescuer Rope Level I certification testing.***

<i>End of Course Quiz</i>	<i>Quiz 70% min.</i>	<i>Re-Quiz 70% min.</i>	<i>Instructor</i>	<i>Date</i>
Technical Rescuer – Rope Level I				

***I hereby confirm that this individual has attended all Technical Rescuer Rope Level I required classes and the information contained on this form is true and complete.***

***Lead Instructor (Print name)*** \_\_\_\_\_

***Lead Instructor Signature:*** \_\_\_\_\_ ***Date:*** \_\_\_\_\_





**MISSOURI DIVISION OF FIRE SAFETY  
 TECHNICAL RESCUER ROPE LEVEL II  
 NFPA 1006-2013  
 TRAINING RECORD**



*To be completed by the Student:*

Name: \_\_\_\_\_ Last 4 SSN: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

Department/Agency: \_\_\_\_\_

Course Location: \_\_\_\_\_ Course Dates: \_\_\_\_\_

***This Training Record must be completed for each candidate completing a Division of Fire Safety approved Technical Rescuer Rope Level II Course. Failure to complete and submit this form shall result in the individual completing such course to be ineligible for Technical Rescuer Rope Level II certification testing.***




<i>End of Course Quiz</i>	<i>Quiz 70% min.</i>	<i>Re-Quiz 70% min.</i>	<i>Instructor</i>	<i>Date</i>
Technical Rescuer – Rope Level II				

***I hereby confirm that this individual has attended all Technical Rescuer Rope Level II required classes and the information contained on this form is true and complete.***

***Lead Instructor (Print name)*** \_\_\_\_\_

***Lead Instructor Signature:*** \_\_\_\_\_ ***Date:*** \_\_\_\_\_



Date Received		<b>Department of Public Safety</b> <b>Division of Fire Safety</b> PO Box 844, Jefferson City, MO 65102 (573) 522-2426 FAX (573) 751-1744 Website: <a href="http://www.dfs.dps.mo.gov">www.dfs.dps.mo.gov</a>	 	Date Approved
Received By				Approved By

### Application for Course Delivery

Location for Course	Start Date	Expected End Date	Est. # of Students

Street Address	City	Zip Code

**Course to be Delivered:**

<b>Driver Operator</b> <input type="checkbox"/> Core <input type="checkbox"/> Pumper <input type="checkbox"/> Aerial <input type="checkbox"/> Mobile Water Supply	<b>Fire Officer</b> <input type="checkbox"/> Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> Level IV	<b>Technical Rescuer</b> <input type="checkbox"/> Core <input type="checkbox"/> Rope Level I <input type="checkbox"/> Rope Level II	
<b>Fire Service Instructor</b> <input type="checkbox"/> Level I <input type="checkbox"/> Level II	<b>Live Fire Instructor</b> <input type="checkbox"/> LFI	<b>Public Fire &amp; Life Safety Educator</b> <input type="checkbox"/> Level I <input type="checkbox"/> Level II	<b>Incident Safety Officer</b> <input type="checkbox"/> ISO

Location of Course Records:	Person Responsible for Records:

**Instructor Information:**

Last 4 SSN #	Last Name	First Name		
Mailing Address of Instructor		City	State	Zip Code
Email Address		Phone Number		

**Host Agency Information:**

Agency Name	Agency Phone #	County

Lead Instructor Signature	Date

### Division of Fire Safety Use Only

Date	Initials	Notes:
Approval Granted and Approval Letter Sent		



Date Received	 <b>Department of Public Safety</b> <b>Division of Fire Safety</b> PO Box 844, Jefferson City, MO 65102 (573) 522-2426 FAX (573) 751-1744 Website: <a href="http://www.dfs.dps.mo.gov">www.dfs.dps.mo.gov</a>	 	Date Approved
Received By			Approved By
<b>Application for Technical Rescuer Evaluator Confirmation</b>			

***To be completed by the Course Lead Instructor***

<b>Host Agency for Course</b>		<b>Start Date</b>	<b>Expected End Date</b>
<b>Street Address</b>		<b>City</b>	<b>Zip Code</b>
<b>Lead Instructor's Name</b>		<b>Mobile Phone Number</b>	
<b>Email address</b>	<b>Fax Number</b>	<b>Test Site Location</b>	
<b>Lead Evaluator Information:</b> Note: Refer to the "Technical Rescuer Guide for Lead Instructors" for number of evaluators required to conduct a skills exam			
<b>Last Name</b>	<b>First Name</b>	<b>M.I.</b>	
<b>List Assisting Evaluator</b>	<b>List Assisting Evaluator</b>		
<b>List Assisting Evaluator</b>	<b>List Assisting Evaluator</b>		
<b>List Assisting Evaluator</b>	<b>List Assisting Evaluator</b>		
<b>Signature (Lead Instructor)</b>			<b>Date</b>

***This completed form must be received by the Division of Fire Safety no less than 72 hours prior to the start of the approved course.***

**Division of Fire Safety Use Only**

	<b>Signature</b>	<b>Date</b>
<b>Approval Granted and Confirmation Sent</b>		
<b>Note:</b>		





Date Received	 <b>Department of Public Safety</b> <b>Division of Fire Safety</b> PO Box 844, Jefferson City, MO 65102 (573) 522-2426 FAX (573) 751-1744 Website: <a href="http://www.dfs.dps.mo.gov">www.dfs.dps.mo.gov</a>				 		Date Approved
Received By							Approved By
<b>Application for Written Certification Testing</b>							
Location for Testing (see website for testing locations and dates)						Testing Date	
Personal Information:							
Last 4 SSN #	Last Name			Suffix	First Name		M. Initial
Mailing Address				City		State	Zip Code
Personal Phone #	<input type="checkbox"/> Home	<input type="checkbox"/> Cell	Date of Birth	Sex		County of Residence	
				<input type="checkbox"/> Male <input type="checkbox"/> Female			
Email Address				Agency representing			
<b>PLEASE CHECK IF APPLYING FOR A RETEST</b> <input type="checkbox"/> <b>RETEST</b>							
<b>Check the Certification Test(s) Applying For:</b>							
<b>Hazardous Materials</b> <input type="checkbox"/> Awareness <input type="checkbox"/> Operations <input type="checkbox"/> Technician		<b>Driver/Operator</b> <input type="checkbox"/> Core <input type="checkbox"/> Pumper <input type="checkbox"/> Aerial <input type="checkbox"/> Mobile Water Supply		<b>Fire Officer</b> <input type="checkbox"/> Fire Officer I <input type="checkbox"/> Fire Officer II <input type="checkbox"/> Fire Officer III <input type="checkbox"/> Fire Officer IV		<b>Technical Rescuer</b> <input type="checkbox"/> Core <input type="checkbox"/> Rope I <input type="checkbox"/> Rope II	
<b>Fire Protection</b> <input type="checkbox"/> Firefighter I <input type="checkbox"/> Firefighter II		<b>Fire Service Instructor</b> <input type="checkbox"/> Level I <input type="checkbox"/> Level II		<b>Fire Inspector</b> <input type="checkbox"/> Level I <input type="checkbox"/> Level II		<b>Public Fire &amp; Life Safety Educator</b> <input type="checkbox"/> Level I <input type="checkbox"/> Level II	
<b>Live Fire Instructor</b> <input type="checkbox"/> LFI		<b>Fire Investigator</b> <input type="checkbox"/> Inv				<b>Incident Safety Officer</b> <input type="checkbox"/> ISO	

**Authorization for Release of Information**

I, (Print Full Name) \_\_\_\_\_ hereby certify that all statements made on or in connection with this application are true and complete to the best of my knowledge and belief. I understand and agree that any misstatements or omissions of material facts will cause denial or forfeiture of my certifications.

I further authorize all law enforcement agencies, U.S. Military, Federal, State and/or Local government agencies to furnish the Missouri Division of Fire Safety, with any and all information regarding me in order to determine suitability for certification. I further release said agency or person from all liability for any damages whatsoever that may occur from furnishing such information to the Missouri Division of Fire Safety.

Also, by signing this form, I hereby authorize the release of any or all information concerning my enrollment status for the courses requesting certification and certification exam results only to the Chief Officer or his designee of my organization. A photo-static copy of this authorization will be considered as effective and valid as the original.

**Signature of Applicant:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**You are only approved for written certification testing after receiving confirmation by the Division of Fire Safety**



## *NFPA 1006 TECHNICAL RESCUE – CORE AND ROPE LEVEL I AND LEVEL II*

### *Guide for Lead Instructors and Practical Skills Evaluators*

#### **Recommended Rope Equipment List**

General expectations should apply to all equipment unless the equipment is specified otherwise. These expectations include the following details:

1. All equipment will be third party vetted to meet the appropriate NFPA standard, i.e. NFPA1983
2. All equipment used for training will be rated for a two person load and will have a G rating.
3. All equipment will be logged for history of first date in service.
4. Service log will be maintained for all equipment identifying appropriate tests and inspection.
5. Equipment that is not logged and maintained will be taken out of service.

#### **Rope - Different colors are preferred for working and belay lines.**

1. Two lengths of working line rope 1.5 times longer than the highest point of work potential.
2. Two lengths of belay line rope 1.5 times longer than the highest point of work potential.
3. 200 feet of 8 mm prusiks cord for building pig rigs and load releasing hitches.

#### **Tubular Webbing**

1. 20 pieces yellow – 6 feet
2. 16 pieces blue – 12 feet
3. 16 pieces red – 15 feet
4. 12 pieces green – 20 feet
5. 12 pieces black – 30 feet

#### **Prusiks – 8 mm different colors are beneficial for different lengths**

1. 30 short prusiks – 5 feet untied, 6 inches shorter if using a double fisherman
2. 30 long prusiks – 6 feet untied, 6 inches shorter if using a double fisherman

#### **Accessory rope**

1. 100 feet of rope .375 inch to .75 inch. Not necessary to be NFPA compliant

**Anchor straps – Must be rated for 1.5 times the NFPA values, however NFPA certification is not necessary.**

1. 2 four feet long
2. 2 eight feet long

### **Patient care equipment**

1. Patient litter
2. Litter spider
3. Litter strap system or an additional 50 feet of tubular webbing
4. 2 pick-off straps
5. Manikin for rescue practice
6. Head restraint and/or blankets for padding
7. Barf line

**Edge protection – adequate amount for four ropes.**

1. Fire hose
2. Rubber belting
3. Thick canvas with multiple layers
4. Teflon slides
5. Rollers

### **Harnesses**

1. 4 rescue harnesses, type III or type II with an improvised chest harness.
2. Adequate edge protection harnesses for all personnel exposed to risk of falling. Edge protection harnesses do not require NFPA certification, however must meet minimum criteria for jurisdiction.
3. Fall arrest straps that meet the expectation of bullet point two.

### **PPE**

1. Helmets, UIAA or CEN rated, some NFPA may also be adequate.
2. Gloves – soft leather, double thickness on palms,
3. Boots – leather, construction grade, eight inch upper, good soles, and comfortable.
4. Eye protection – As required by the jurisdiction.
5. Coveralls or outerwear – As appropriate for the climate, should cover extremities for abrasion protection.

6. Knife – folding type and sharp, training of knife application is specific and critical to avoid inappropriate use.
7. Whistles – 6 for communication purposes.

**Personal escape kit – Two are required and each contain:**

1. Six carabiners (may be NFPA light use)
2. Two rescue ascenders, Gibbs, SMC, Petzl, or others that meet the general expectations.
3. Four long prusiks
4. Four short Prusiks
5. Figure 8, or other lightweight descender that meet the general expectations.
6. 50 feet of personnel escape line
7. Personal percell or etrier may be used to substitute for two long and one short prusiks.

**Descent control devices – Two are required, and do not have to be the same type.**

1. Figure 8
2. Brake Bar Rack
3. Other devices that meet the general expectations

**Belay devices – Two are required, and they do not have to be the same type. Load releasing hitch is required for each device that does not have an independent release capacity.**

1. Tandem prusicks belay
2. 540 belay
3. MTD
4. Petzl ID
5. Other certified devices

**Hardware**

1. 12 Prusiks minding pulleys
2. 4 Double prusiks minding pulleys
3. 30 carabiners
4. 4 tri-links