



# Introduction to Technical Rescue National Certification

## Qualification Preparation Guide

Referenced to:

NFPA 1006, Chapter 5, 2013 Edition

Referenced to:

NFPA 1006, Chapter 6, 2013 Edition

Kansas Fire & Rescue Training Institute (KFRTI)  
Introduction to Technical Rescue: Supplemental Guide, July 2019

CMC Rescue Inc. (CMC)  
Rope Rescue Manual, 5th Edition, 2017

Copies of this document may be downloaded from: <https://kupce.ku.edu/kufire-firefighter-certification>

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Dear Certification Candidate,

Welcome to the National Firefighter Certification Program!

The Kansas Fire & Rescue Training Institute is accredited by the International Fire Service Accreditation Congress (IFSAC) and by the National Board on Fire Service Professional Qualifications (NBFSPQ - also known as “Pro Board”). These accreditation agencies establish rules and standards to follow in the administration, recordkeeping, and providing of National Certification for the fire service. Through this accreditation, Kansas Fire & Rescue Training Institute is authorized to issue accredited National Certifications to individuals meeting the requirements of selected national standards.

Kansas Fire & Rescue Training Institute’s role in the process is to maintain testing materials and a fair system of administering certification exams.

This National Certification Preparation Guide was specifically designed to help you prepare for the examination process ahead. This guide gives reading references for the written exam and the skills exam. By using this guide, you will be looking at the same pages the test writer was looking at when they wrote the test questions and developed the skills evaluation sheets.

Our Coordinators and Evaluators are here to observe your skills and knowledge – they will not help you pass the test.

Our staff and evaluators will treat you with respect and professionalism. Our goal is that you complete the testing process with satisfactory performance and earn your National Certification.

Good luck,

*KFRTI Staff*

## **National Certification**

National Certification is a professional credential that verifies your proficiency in the level to which you were/are certified. Kansas certifications do not expire. If you are moving to another state, you should contact the certification entity in that state to find out if your National Certification from Kansas is recognized in that state.

## **Certification Program Mission**

This mission of the National Certification Program is to maintain an accredited system for Kansas fire service members to earn National Fire Service Certification professional credentials.

## **Certification Program Values and Principles**

In the conduct of this program, the Kansas Fire & Rescue Training Institute uses the values listed below to guide our professional conduct; they form the foundations and parameters of this program.

- ✘ We hold in high regard honesty and integrity in ourselves and those we serve.
- ✘ Kindness and professionalism guide our instructors and our evaluators.
- ✘ We respect the fire and emergency service and those who serve in it.
- ✘ Transparency of our system, processes, and policies is paramount.
- ✘ The certification standards drive fair evaluation and testing.
- ✘ We value our role as the provider and protector of the national certification program's credibility.

## **Academic Integrity**

We hold staff (including part-time) and certification candidates to identical ethical standards. We expect professional behaviors at all times. Any incident of academic misconduct by a candidate, will invalidate their test results, forfeit their certification fee, and may subject them to suspension from the certification process for one year.

Academic misconduct includes cheating, plagiarism, falsification of records, unauthorized possession of examinations, intimidation, and/or other actions that may improperly affect the evaluation of a candidate or assisting others in any such act.

Our policy on academic misconduct is that of "zero tolerance."

*The University of Kansas prohibits discrimination. Specifically, the University of Kansas prohibits discrimination on the basis of race, color, ethnicity, religion, sex, national origin, age, ancestry, disability, status as a veteran, sexual orientation, marital status, parental status, gender identity, gender expression, and genetic information in the University's programs and activities. Retaliation is also prohibited by University policy.*

## How to Use the Certification Preparation Guide

This National Certification Preparation Guide is specifically designed to help you prepare for the examination process ahead. This guide provides reading references for the written exam and the skills exam.

We have included information in this guide that will help you achieve the professional credential that is Fire Service National Certification. There are a few key elements in preparing for the National Certification Exam. They are: 1) Take some time between the end of your course and the certification exam to focus on studying for the exam. 2) Use this Preparation Guide to help focus on the requirements of the National Standard and your study time.

### **STEP 1: Review the Administrative information in front of this Preparation Guide.**

- ✘ We have included some important information about the program and the steps of certification. Please take a few minutes and review these pages.

### **STEP 2: Review the Reading Reference Pages**

The Reading Reference pages are arranged by Job Performance Requirements (JPRs), which are determined by the correlating NFPA standard.

- ✘ Read and study the pages listed in the written exam reading pages.
- ✘ By reading these pages, you are reading the same pages the test developer was when they were writing test questions.

### **STEP 3: Review the Skill Evaluation Sheets in this Certification Guide.**

- ✘ Take note of the Instructions to the Candidate (grey boxes) on each Skill Sheet. These are the instructions that the evaluator will give to you in each station before you test.
- ✘ Skills sheet references take you back to the reference manual to explain the skill. You will be graded only on those items listed on the skill evaluation sheets. Use these in your practice and exam preparations.

### **STEP 4: Read & Review, Read & Review, Read & Review, and Practice, Practice, Practice!**

- ✘ Don't practice until you do it right; practice until you can't do it wrong!

### **STEP 5: Get a good night's rest before the exam.**

- ✘ You can be tired in any of three ways: Mentally, Physically, and Emotionally. If you are tired in any of these ways, it will make you tired in ALL of them.
- ✘ Save the party for after the exam...get a good night's rest....eat a good breakfast (if you test in the morning)...easy on the sugar and caffeine...and relax!

**GOOD LUCK!**

*Note:*

*If you are exploring National Certification and haven't taken a course specifically for the level of certification you are seeking, we STRONGLY suggest that you start the process by taking a course. Under certain circumstances, you may challenge some certification exams. Persons who take a course first do much better on the exam. Contact the Kansas Fire & Rescue Training Institute for more information.*

## National Certification Application & Processes

- Application:** Applications are required before testing. Visit the KFRTI web page (<https://kupce.ku.edu/kufire-firefighter-certification>) to download the application.
- Registration for Exams:** Pre-registration is required. Go to the KFRTI online registration point to register and pay certification fee (<https://www.enrole.com/kupce/jsp/index.jsp?categoryId=10019>)
- Certification Fees:** Certification fees must be paid before the exam date. Individuals are required to pay fees online when registering for an exam. An organization may request to be billed, this billing process requires a Purchase Order from that organization stating each candidate's name. To arrange billing, call the KFRTI at 1-866-804-8841. Billing cannot be processed online.
- Number of Attempts:** Candidates are allowed two attempts per test per application, and all testing must be completed within one year of the first testing activity. Additional testing requires a new application and fee.
- Picture I.D. Required:** A government issued photo I.D. is required at the test site.
- Accommodations:** The Kansas Fire and Rescue Training Institute, as part of the University of Kansas, adheres to the requirements of the Americans with Disabilities Act. Certification candidates requesting accommodations must submit the request in writing two (2) weeks in advance of testing. The request must include a copy of the diagnosis by a qualified professional. Upon receipt of an accommodations request, the Kansas Fire and Rescue Training Institute will review the request, and then notify the requestor of the proposed accommodations.

### What if I Fail the Exam?

Failure of any required component (not submitting a currently valid certification or licensure KBEMS number, less than 70% on the written exam or less than 100% of the skills exam) constitutes a failed attempt.

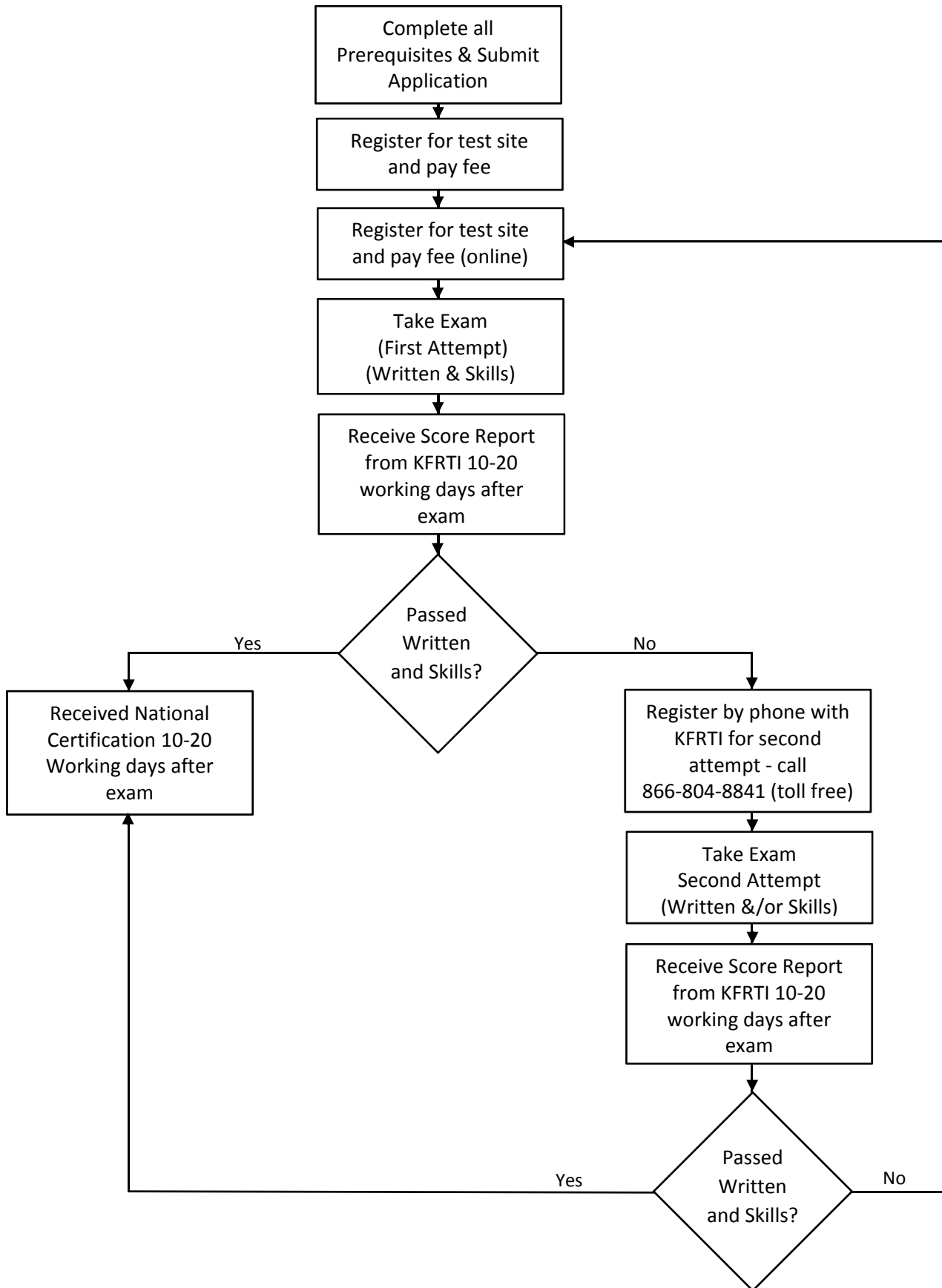
- a. Candidates may re-test on any component of the exam (written, or skills exams) and resubmit current and valid KBEMS medical credentials.
- b. Candidates must register to take a retest at another test site. No walk-in testing is allowed. To register for a retest, call the Institute at (toll free) 866-804-8841.
- c. Candidates are allowed two (2) attempts at any portion of the exam. If a candidate fails any portion of the exam twice, a new application and fee is required. The new application starts the certification process over, and all portions of testing will have to be retested.
- d. The Institute strongly recommends that candidates study or seek additional training before attempting the exam for a third attempt.

### Time to Complete Certification

Candidates have one year from the date of their first testing action to complete their certification. Retaking the written test, retesting skills, submitting verification forms, and all other requirements must be completed within that year. Failure to complete the certification within that year will invalidate all previous testing. The candidate will be required to submit a new application, new fee, and new verification forms to retest for the written and skills tests before certification.

## Introduction to Technical Rescue - Qualification Process/Sequence

This list illustrates a “classic” process. All requirements must be satisfactorily completed, the exact sequence is not required.



## **Kansas Fire & Rescue Training Institute's Qualification Requirements for Introduction to Technical Rescue**

### **Kansas Board of Emergency Medical Services Certification**

All candidates are required to have a current certification for Emergency Medical Responder, Emergency Medical Technician, Advanced Emergency Medical Technician, or Paramedic issued by the Kansas Board of Emergency Medical Services (KBEMS).

Certifications from other entities will be evaluated for reciprocity as per the KFRTI's Reciprocity policy. Those candidates without such certification can complete written and skills testing for NFPA 1006, Chapter 5 (Introduction to Technical Rescue). Qualification in NFPA 1006, Chapter 5 will be issued only after proof of the required medical credentials is provided and verified. Once Qualification is issued, candidates may proceed on with testing in other NFPA 1006 disciplines and levels.

### **Technical Rescuer "Chapter 4" Local Verification Form:**

All candidates are required to meet NFPA 1006, Chapter 4, Technical Rescuer - General Requirements set by their Local Authority Having Jurisdiction (AHJ), prior to attending any Technical Rescue classes. This form verifies requirements that cannot be tested on a written exam and requirements of the standard that are based on local fire department practices and policies.

This form documents:

#### **a. General Requirements:**

- i. The Authority Having Jurisdiction (AHJ) has local safety policies and procedures requiring technical rescuers follow regional and national safety standards, and these policies require all activities to be completed in the safest manner possible.

#### **b. Entrance Requirements:**

- i. The candidate is at least 18 years of age, and meets local age requirements.
- ii. The candidate meets the minimum local medical requirements.
- iii. The candidate meets the minimum local physical fitness standard requirements.
- iv. The candidate is a currently registered Kansas Emergency Medical Responder, Emergency Medical Technician, Advanced Emergency Medical Technician, or Paramedic.
- v. The candidate meets the minimum local educational requirements.
- vi. The candidate is trained to the Hazardous Materials Awareness level.

#### **c. Minimum Qualifications Requirements Specific to Specialty Areas:**

- i. For qualification, a rescuer shall perform all of the job performance requirements in Chapter 5 and all job performance requirements listed in at least one level of a specialty area (Chapters 6 through 19). Technical rescuers will be identified by their specialty area and level of qualification (i.e., Rope Rescuer — Level I, Confined Space Rescuer—Level II, etc.).



## Introduction to Technical Rescue Qualification Exam

### Written Exam:

- a. The *Introduction to Technical Rescue* written exam includes 50 multiple choice and true/false questions.
- b. Candidates are allowed one (1) hour to complete the exam.
- c. Answer sheets and pencils are provided. "Bubble Sheet" answer sheets that candidates fill in small circles to indicate answer (a, b, c, d) as the correct answer are used.
- d. No cell phones, radios, or other electronic devices are allowed in the room while an exam is being administered (an exception for radios that allow "on-duty" personnel to receive alarms may be granted under special circumstances).
- e. A 70% minimum score is required to pass the written exam.

### Skills Exam:

- a. The skills exam includes individual and team skills. Depending on the skill being tested, candidates may be tested individually, or as a member of a team.
- b. Teams of 4 to 6 candidates are formed for the purpose of skills testing. Individual candidates may not pre-select crews or make up crews of their own choosing. Teams (for testing purposes) are appointed by the Exam Coordinator at the test site.
- c. When testing a member of a team, evaluation includes both individual performance and performance as a member of the team.
- d. Skills exams typically include 4 to 5 stations. Each station may include multiple skills. All *Introduction to Technical Rescue* skills exams will include 8-13 skills.
- e. Skills marked "Test Item Conducted by the Kansas Board of EMS" are waived with a current valid KBEMS licensure number.
- f. You will be given up to two attempts at each station. The two attempts per station make up your first overall attempt at the skills exam.
- g. Skills exams require 100% to pass in all stations.
- h. No same-day skills re-testing allowed.

**Introduction to Technical Rescue Written Exam  
Study/Preparation Information and Materials**

**ITROL Written Exam:** 50 multiple choice and true/false questions.

**Time allowed to take exam:** One (1) hour.

**Passing Score:** 70% (or higher)

Answer sheets and pencils are provided. "Bubble Sheet" answer sheets that candidates fill in small circles to indicate answer (a, b, c, d) as the correct answer are used.

No cell phones, radios, or other electronic devices are allowed in the room while an exam is being administered (an exception for radios that allow "on-duty" personnel to receive alarms may be granted under special circumstances).

**Reading Reference/Text**

The *Introduction to Technical Rescue* written exam is referenced to two (2) documents. The first document is the supplemental guide produced by Kansas Fire & Rescue Training Institute (KFRTI).

(KFRTI) - *KFRTI, Introduction to Technical Rescue Supplemental Reading, July 2019*

(CMC) - *CMC Rescue Inc., Rope Rescue Manual, 5th Edition, 2017*

National Standard test is based on: *NFPA 1006 Standard for Technical Rescuer Professional Qualifications, 2013 Edition*

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**Written Exam Study Pages  
(Test questions are taken from these same pages)**

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Section Subject &  
NFPA 1006, General Requirements  
(Chapter 5) JPR Number

Reading/Study Pages

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5.2 Site Operation

Identify the needed support resources

5.2.1 (KFRTI) Pages: 58-62, 66-67, 99-102  
(CMC) Pages: 38-42

Size up a rescue incident

5.2.2 (KFRTI) Pages: 8-9, 14-19, 103-107

Manage incident hazards

5.2.3 (KFRTI) Pages: 6-7, 9-14, 18-22, 29-32, 50-52, 58-62,  
96-97, 108-111  
(CMC) Pages: 19-21, 362-380

Manage resources in a rescue incident

5.2.4 (KFRTI) Pages: 6-22, 24-25, 34-37, 43, 47-49

Conduct a discipline specific search

5.2.5 (KFRTI) Pages: 15-16, 21-22, 47-50

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**Written Exam Study Pages**  
**(Test questions are taken from these same pages)**

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Section Subject & NFPA 1006, General Requirements (Chapter 5) JPR Number	Reading/Study Pages
Perform ground support operations for helicopter activities 5.2.6	(KFRTI) Pages: 29-32, 42-45
Terminate a technical rescue operation 5.2.7	(KFRTI) Pages: 6-7, 9-14, 18-19, 23-25, 58-62, 64-65 (CMC) Pages: 70-71
5.4 Maintenance	
Inspect and maintain hazard-specific personal protective equipment 5.4.1	(KFRTI) Pages: 6-7, 20-22, 50-55, 58-64, 96-102, 108-111 (CMC) Pages: 8-10, 19-21, 30-31, 75-77, 362-380
Inspect and maintain rescue equipment 5.4.2	(KFRTI) Pages: 5-6, 50-57, 63-64, 96-100, 108-111 (CMC) Pages: 38-42, 67-68, 362-380
5.5 Ropes and Rigging	
Tie knots, bends, and hitches 5.5.1	(KFRTI) Pages: 53-57, 66-69, 71-95, 98 (CMC) Pages: 31-37, 80-89, 362-380
Construct a single-point anchor system 5.5.2	(KFRTI) Pages: 29-32, 38-41, 73-95, 98, 111-114, 127-138, 154, 158-161 (CMC) Pages: 8-10, 19-21, 30-37, 44-51, 81-89, 96-100, 102-107, 122-128, 130-135, 146
Place edge protection 5.5.3	(KFRTI) Pages: 24-28, 91-95, 125-126 (CMC) Pages: 82-90, 116-120
Construct a simple rope mechanical advantage system 5.5.4	(KFRTI) Pages: 53-57, 74-97, 111-121, 127-132, 140-143, 158-161 (CMC) Pages: 30-36, 44-51, 56-60, 82-89, 102-108, 122-128, 154-158, 166-167

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**Written Exam Study Pages**  
**(Test questions are taken from these same pages)**

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Section Subject &  
NFPA 1006, General Requirements  
(Chapter 5) JPR Number

Reading/Study Pages

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Direct a team in the operation of a simple rope mechanical advantage system in a low-angle raising operation

5.5.5 (KFRTI) Pages: 36-37, 98, 140-143, 147-151, 158-161  
(CMC) Pages: 154-158, 258-260, 290-291, 362-380

Function as a litter tender in a low-angle lowering system

5.5.6 (KFRTI) Pages: 24-28, 91-95, 103-107, 127-132,  
140-145, 154-161  
(CMC) Pages: 72-74, 82-89, 102-106, 122-128,  
130-135, 138-140, 149-152, 154-157

Construct a lowering system

5.5.7 (KFRTI) Pages: 29-32, 38-41, 103-107, 127-131,  
144-145, 154-156, 158-161  
(CMC) Pages: 8-10, 19-21, 51-55, 102-107, 122-128,  
138-140, 149-152, 258-260

Direct a lowering operation in a low-angle environment

5.5.8 (KFRTI) Pages: 36-38, 63-64, 108-111, 140-145,  
154-156  
(CMC) Pages: 51-59, 138-140, 149-152, 154-157,  
290-291

Construct a belay system

5.5.9 (KFRTI) Pages: 29-32, 38-41, 68-70, 91-95, 98,  
127-138, 144-145, 154-156  
(CMC) Pages: 8-10, 51-59, 82, 96-100, 106-108, 110,  
138-142, 146, 149-152

Operate a belay system

5.5.10 (KFRTI) Pages: 36-38, 103-107, 154-156  
(CMC) Pages: 51-55, 71-74, 149-151, 290-291

Belay a falling load

5.5.11 (KFRTI) Pages: 36-38, 108-111, 144-145, 154-156  
(CMC) Pages: 138-140, 149-151, 290-291

Conduct a system safety check

5.5.12 (KFRTI) Pages: 29-32, 38-41, 53-57, 63-64, 99-102,  
108-111, 134-138, 144-145, 154-156  
(CMC) Pages: 8-10, 30-42, 44-51, 56-60, 106-108,  
138-140, 146, 149-151, 229-230

***Introduction to Technical Rescue Skills Exam  
Study/Preparation Information and Materials***

**Introduction to Technical Rescue Skills Exam:**

The skills exam includes individual and team skills. Depending on the skill being tested, candidates may be tested individually, or as a member of a team.

Teams of 4 to 6 candidates are formed for the purpose of skills testing. Individual candidates may not pre-select crews or make up crews of their own choosing. Teams (for testing purposes) are appointed by the Exam Coordinator at the test site.

When testing a member of a team, evaluation includes both individual performance and performance as a member of the team.

Skills exams typically include 4 to 5 stations. Each station may include multiple skills. All *Introduction to Technical Rescue* skills exams will include 8-13 skills

**Time allowed to take exam:**

The overall exam is not timed; however, individual skills and/or stations may include a maximum/minimum time.

**Passing Score:**

Skills exams require 100% on all stations and skills. Up to two attempts will be given for each skill and/or station being tested. These two attempts make up your first attempt at the skills exam.

No cell phones, radios, or other electronic devices are allowed in the room while an exam is being administered (an exception for radios that allow “on-duty” personnel to receive alarms may be granted under special circumstances).

**Reading Reference/Text**

The *Introduction to Technical Rescue* skills exam is referenced to:

*KFRTI, Introduction to Technical Rescue Supplemental Reading, July 2019*

*CMC Rescue Inc., Rope Rescue Manual, 5th Edition, 2017*

National Standard test is based on:

*NFPA 1006 Standard for Technical Rescuer Professional Qualifications, 2013 Edition*

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## Skill Evaluation Sheets

These Skills Evaluation Sheets are the exact grading sheets that evaluators use during the Skills Test. These sheets have been edited for the explicit use of grading skills and should not be used to learn the skills.

These Skill Evaluation Sheets have been included in this Preparation Guide for the purpose of guiding you as final preparations are made (and practice performed) for the Qualification Exam.

Grading for the Skills Evaluation requires 100% of the steps listed on these sheets to be performed. You will not be evaluated on steps of the skills that are not listed on these evaluation sheets.



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.2.1  
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Rescue tool cache, incident scenario, technical reference materials, size-up booklet

**Candidate Equipment Required:** Notepad and pen

**Evaluator's Instructions to Candidates**

At this station, acting as the officer of your team, you will be given an incident scenario and you will identify the resources needed to support rescue operation objectives. You will state your method to track equipment inventory, address scene lighting needs, and select rehab areas to provide protection from the environment.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations.  
To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Method to track equipment inventory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify lighting resources.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Identify structures for shelter & thermal protection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Select rehab areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Manage personnel rotations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station: Pass**

**Fail**

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_





Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.2.2
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Rescue tool cache, incident scenario, technical reference materials, size-up booklet

Candidate Equipment Required: Notepad and pen

Evaluator's Instructions to Candidates

At this station, acting as the officer of your team, you will perform a size-up of a technical rescue incident. You will survey the scene and interview witness(es) to identify the type of rescue, and determine the number and last known location of all possible victims. You will consult technical reference materials to help determine type of resource needed, and identify any additional information required. This information will be used to begin to develop an incident action plan (IAP), and relayed to other team members.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations.

To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 4 columns: Skill Item, 1st Attempt Pass, 1st Attempt Fail, 2nd Attempt Pass, 2nd Attempt Fail. Rows include: 1. Identify type of incident (rope rescue, confined space rescue, trench rescue, structural collapse rescue, water rescue), 2. Identify and Interview witness(es), 3. Gather information (consult technical reference materials, number of possible victims, last known victim location, Identify resource needs), 4. Relay information to team members.

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature:

Date:



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.2.3
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Rescue tool cache, incident scenario, specialized resource list, technical reference materials

Candidate Equipment Required: Helmet, gloves, boots, notepad and pen

Evaluator's Instructions to Candidates

At this station, acting as the officer of your team, you will manage the hazards of an incident. You will utilize technical references to identify capabilities and limitations of the available resources, identify incident hazards, and then state the mode of operation based on victim viability. You and your team will then place barriers to control the scene, and operate control and mitigation equipment as required.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations. To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 6 rows of skill items and 4 columns for 1st and 2nd attempt Pass/Fail results.

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.2.4
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Rescue tool cache, incident scenario, tactical worksheets, technical reference materials, communication equipment

Candidate Equipment Required: Helmet, gloves, boots, notepad and pen

Evaluator's Instructions to Candidates

At this station, acting as the officer of your team, you will manage resources at a rescue incident. You will implement an incident management system and complete any applicable tactical worksheets. You will match available resources to operational needs by utilizing reference materials and gathered information. You will implement a communication plan to ensure incident communication needs are met and assignments are communicated, and you will operate required communication equipment.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations. To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 4 columns: 1st Attempt Pass, 1st Attempt Fail, 2nd Attempt Pass, 2nd Attempt Fail. Rows include: 1. Implement an Incident Management System, 2. Complete tactical worksheets, 3. Match resources to operational needs (with sub-items a and b), 4. Implement communication plan (with sub-items a, b, and c).

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature:

Date:



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.2.5  
CMC Rescue, Rope Rescue Manual, Fifth Edition  
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Rescue incident scenario, simulated victim(s).

**Candidate Equipment Required:** Helmet, gloves, boots

**Evaluator's Instructions to Candidates**

At this station, as a member of a team, you will be given an incident scenario and you will conduct a search. You will enter, maneuver in, and exit a search area. Upon locating the victim, you will report the victim's location, condition, and any other pertinent information to the Incident Commander. When prompted you will state your planned method of self-rescue during the operation.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations.  
To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Ability to enter, maneuver in, and exit the search environment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Provide for and perform self-escape/self-rescue.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.2.6  
 KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Large open area, landing zone equipment, scene lighting as required, and radios.

**Candidate Equipment Required:** PPE (helmet, gloves, safety glasses, protective jacket and pants, and boots)

**Evaluator's Instructions to Candidates**

As this station, as a member of a team (2-3 people), you will perform ground support operations for helicopter activities. You must establish, control, and secure a safe helicopter landing zone. The evaluator will state if you have a daytime or nighttime operation. You will communicate via radio with the arriving aircrew (the evaluator) pertinent information regarding the landing zone and the incident.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations. To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Don proper PPE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Establish landing zone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Minimum Landing zone dimensions (Daytime = 70' x 70')(Nighttime = 100' x 100')				
b. Zone clear and free of debris and obstructions				
c. Establish wind direction indicators				
d. Nighttime operations require appropriate lighting				
3. Control landing zone access	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Communicate appropriately with aircrews.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station: Pass**

**Fail**

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.2.7
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Incident scenario, accountability system, site control barriers, ICS Forms, clipboard, pen, and paper.

Candidate Equipment Required: Helmet, gloves, boots

Evaluator's Instructions to Candidates

At this station, acting as the officer of your team, you will terminate the incident. You will transfer control of the scene to a responsible party (evaluator). Utilizing a final hazard analysis and risk assessment, you will inform the responsible party of the remaining hazards and scene security measures implemented. You will ensure that personnel and equipment are assessed and accounted for and complete all appropriate documentation prior to terminating the incident.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations. To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 5 rows of skill items and 4 columns for 1st and 2nd attempt Pass/Fail results.

Candidate's name: \_\_\_\_\_

Station: Pass [ ]

Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.3.1

**Evaluator Equipment Required:** None - Skills tested by Kansas Board of EMS

**Candidate Equipment Required:** Valid medical credentials

**Evaluator's Instructions to Candidates**

THIS PERFORMANCE TEST ITEM CONDUCTED BY THE KANSAS BOARD OF EMS

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Use triage materials, techniques, and resources				(EMR via KBEMS)
2. Correctly categorize victims				(EMR via KBEMS)

**Candidate's name:** \_\_\_\_\_

**Station: Pass**

**Fail**

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.3.2

**Evaluator Equipment Required:** None - Skills tested by Kansas Board of EMS

**Candidate Equipment Required:** Valid medical credentials

**Evaluator's Instructions to Candidates**

THIS PERFORMANCE TEST ITEM CONDUCTED BY THE KANSAS BOARD OF EMS

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Secure a victim to transport equipment.				(EMR via KBEMS)
2. Assemble and operate environmental specific victim removal systems.				(EMR via KBEMS)
3. Choose an incident specific transport device.				(EMR via KBEMS)

**Candidate's name:** \_\_\_\_\_

**Station: Pass**

**Fail**

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_





**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.3.3

**Evaluator Equipment Required:** None - Skills tested by Kansas Board of EMS

**Candidate Equipment Required:** Valid medical credentials

**Evaluator's Instructions to Candidates**

THIS PERFORMANCE TEST ITEM CONDUCTED BY THE KANSAS BOARD OF EMS

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Use victim immobilization, packaging, and treatment methods appropriate to the situation.			(EMR via KBEMS)	
2. Provide verbal and written victim transfer reports.			(EMR via KBEMS)	

**Candidate's name:** \_\_\_\_\_

**Station: Pass**

**Fail**

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.4.1  
CMC Rescue, Rope Rescue Manual, Fifth Edition  
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Respirators, SCBA, goggles, helmets, gloves, harnesses, maintenance forms

**Candidate Equipment Required:** Safety glasses, PPE required per cleaning agent SDS

**Evaluator's Instructions to Candidates**

At this station, you will inspect and maintain hazard specific personal protective equipment. You will identify all locations of wear and damage, and evaluate each item for operational readiness. You will then clean, execute any operator checks, and provide maintenance as required per manufacturer's instructions. You will then document and complete all appropriate forms and maintenance records.

This is NOT a timed event, but should be completed as expeditiously as possible

To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Identify wear & damage indicators for PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Evaluate operational readiness of PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Use cleaning equipment, supplies, & reference materials.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Select & use tools specific to task.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Complete logs & records.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.4.2  
CMC Rescue, Rope Rescue Manual, Fifth Edition  
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Harnesses, life safety rope, webbing, carabiners, decent control device, pulleys, miscellaneous rescue equipment maintenance tools, maintenance forms

**Candidate Equipment Required:** Safety glasses, PPE required per cleaning agent SDS

**Evaluator's Instructions to Candidates**

At this station, you will inspect and maintain rescue equipment. You will identify all locations of wear and damage, and evaluate each item for its operational readiness. You will then clean, execute any operator checks, and provide maintenance as required by the manufacturer's instructions. You will then document and complete all appropriate forms and maintenance records.

This is NOT a timed event, but should be completed as expeditiously as possible  
To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	<b>1st Attempt</b>		<b>2nd Attempt</b>	
	<b>Pass</b>	<b>Fail</b>	<b>Pass</b>	<b>Fail</b>
1. Identify wear & damage indicators for rescue equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Evaluate operational readiness of equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Select & use maintenance tools.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Complete logs & records.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.1
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Rope, webbing, accessory cord, anchor point objects.

Candidate Equipment Required: None (Gloves are optional)

Evaluator's Instructions to Candidates

At this station, you will tie a selection of knots, bends, and hitches found in rope rescue applications. You may tie the knot using any method you wish. When complete the knot must be tied correctly, dressed, recognizable, and backed up as required.

This is a timed event. You will have a maximum time of two (2) minutes to properly tie each knot.

To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Ability to tie representative knots, bends, or hitches for the following purposes:

(1) end of line loop; (2) midline loop; (3) securing rope around desired objects; (4) joining rope or webbing ends together; and (5) gripping rope.

- 1. Bowline with a safety (overhand, double overhand, or Yosemite finish)
2. Figure 8 on a Bight (4" tail minimum)
3. Figure 8 Bend (4" tails minimum)
4. Figure 8 Follow-Through around an object (4" tail minimum)
5. Butterfly knot
6. Clove Hitch around an object
7. Double Fisherman Knot (in 8mm cordage with 2" tails minimum)
8. Triple Wrap Tandem Prusik
9. Water Bend or "Water Knot" (in webbing with 3" tails minimum)
10. Met allowed time.

Table with 4 columns: 1st Attempt Pass, 1st Attempt Fail, 2nd Attempt Pass, 2nd Attempt Fail. Rows correspond to the 10 skill items.

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.2  
CMC Rescue, Rope Rescue Manual, Fifth Edition  
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Rope, 2 carabiners, 1 tri-link, webbing, rigging plate, and anchor points.

**Candidate Equipment Required:** None (Gloves are optional.)

**Evaluator's Instructions to Candidates**

At this station, you will construct a single point anchor system capable of supporting a two person rescue sized load (600 lbs.), and it must maintain a minimum 10:1 System Safety Factor (SSF). You may choose any of the commonly accepted single point anchor systems methods. You must build the anchor system up to, and including, the attachment point for a rope system and conduct a safety check.

The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

**This is a timed event. You will have a maximum time of ten (10) minutes to properly complete this skill.**  
To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Evaluate anchor points for required strength, location, & surface contour.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Select appropriate rope & equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Tie knots.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Rig systems.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Perform a system safety check.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Meet allowed time.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station: Pass**

**Fail**

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.3
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Harness, ropes, fall protection devices/system, edge protection material and equipment (edge roller, rope sleeves, blanket, canvas, carpet, etc.), and other auxiliary equipment (duct tape, utility cord, etc.).

Candidate Equipment Required: Helmet, gloves, boots

Evaluator's Instructions to Candidates

At this station, as a member of a team, you will be required to place edge protection for a rope system. You may select any equipment, devices, or material from the cache provided. You must maintain personal safety and security at all times. Upon completion of your task, the edge protection must be secured in place and the rope system must be protected from abrasion and cutting.

You must rig yourself into a travel restraint system to maintain fall protection as required while placing edge protection.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations. To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 5 rows of skill items and 4 columns for 1st and 2nd attempt Pass/Fail results.

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.4  
 CMC Rescue, Rope Rescue Manual, Fifth Edition  
 KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Pre-rigged anchor system, a simulated load, ropes, 4 single pulleys, 2 double pulleys, 7 carabiners, 2 pair of tandem prusiks, and 1 rigging plate. The evaluator shall choose one of the following simple mechanical advantage systems for construction: 2:1, 3:1, 4:1, 5:1.

**Candidate Equipment Required:** None (Gloves are optional)

**Evaluator's Instructions to Candidates**

At this station, you will construct a (2:1) (3:1) (4:1) (5:1) simple mechanical advantage system. You must select the appropriate ropes and equipment from the cache provided, tie proper knots, attach the system to both the provided anchor and the load, and perform a system safety check. The system must include a progress capture device.

The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

**This is a timed event. You will have a maximum time of ten (10) minutes to properly complete this skill.**

To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Select appropriate rope & equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Tie proper knots.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Rig stated system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. rig correct system				
b. contain a progress capture device				
4. Attach the MA system to the anchor system and to the load.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Perform system safety check.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Meet allowed time.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



**Introduction to Technical Rescue: Direct a Team in the Operation of a Simple Mechanical Advantage System in a Low-Angle Raising Operation**

**Item 5-17**

**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.5  
 CMC Rescue, Rope Rescue Manual, Fifth Edition  
 KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Rescue personnel, rigged raising system, including a load and anchor, in a low-angle environment with a minimum haul distance of 15 feet.

**Candidate Equipment Required:** Helmet, gloves, boots

**Evaluator's Instructions to Candidates**

At this station, you will direct a team in the operation of a simple mechanical advantage system in a low-angle raising operation. You will analyze the system for efficiency, identify any safety concerns, and complete a system safety check, prior to loading the system. You must ensure that movement is controlled and the load can be held in place as needed. The skill will end once the load has moved a minimum of 15 feet, and a least one (1) system reset has been performed.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations. To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Directs personnel effectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Uses operational commands.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Analyzes system efficiency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Identifies safety concerns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Performs system safety check.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_





# Introduction to Technical Rescue: Function as a Litter Tender in a Low-Angle Lowering or Hauling Operation

Item 5-18

**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.6  
CMC Rescue, Rope Rescue Manual, Fifth Edition  
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Rescue personnel, rigged raising system, including a load and anchor, a low-angle environment with a minimum travel distance of 15 feet.

**Candidate Equipment Required:** Helmet, gloves, boots

### Evaluator's Instructions to Candidates

At this station, as a member of a team, you will function as a litter tender in a low-angle (hauling) (lowering) operation. You must ensure movement is controlled and the load can be held in place when needed. You must also identify and manage any potential safety problems.

You must select and don appropriate PPE and harness, rig yourself into the system, and assist in moving the litter over a distance of at least 15 feet. You must rig yourself into the (hauling) (lowering) system.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations.  
To pass this station you must successfully complete 100% of the steps.

### Evaluated Skill Items

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Select and use rescuer harness & PPE for common environments.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Attach the life safety harness to the rope rescue system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Maneuver across terrain.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Manage the litter while suspended from the rope rescue system.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Evaluate surroundings for potential hazards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.7
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Pre-rigged anchor system, a simulated load, ropes, 4 carabiners, 1 rigging plate, and a six-bar brake rack, Petzl ID, or MPD.

Candidate Equipment Required: None (Gloves are optional)

Evaluator's Instructions to Candidates

At this station, you will construct a lowering system, of your choice, that is capable of lowering a two person rescue sized load (600lbs), while maintaining a minimum 10:1 System Safety Factor (SSF). The system must operate efficiently, when lowering and holding the load in place. You must select the appropriate equipment, tie proper knots, attach the lowering system to the load and the provided anchor, and conduct a safety check.

The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

This is a timed event. You will have a maximum time of ten (10) minutes to properly complete this skill. To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 5 rows of skill items and 4 columns for 1st and 2nd attempt Pass/Fail results.

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**Introduction to Technical Rescue: Direct the Operation of a Lowering System in a Low-Angle Environment**

Item 5-20

**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.8  
 CMC Rescue, Rope Rescue Manual, Fifth Edition  
 KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** Established lowering system, anchor system, rescue personnel, a load to be moved, a low-angle environment with a minimum travel distance of 15 feet.

**Candidate Equipment Required:** Helmet, gloves, boots

**Evaluator's Instructions to Candidates**

At this station, you will direct a team in the operation of a lowering system in a low-angle environment. You will analyze the system for efficiency, identify any safety concerns, and complete a system safety check, prior to loading the system. You must ensure that movement is controlled and the load can be held in place as needed.

The skill will end once the load has moved a minimum of 15 feet.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations.

To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
1. Direct personnel effectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Use operational commands.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Analyze system efficiency.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Identify safety concerns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Perform a system safety check.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.9
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: Established anchor system, a simulated load, rope, 1 pulley, 4 carabiners, and a pair of tandem prusiks.

Candidate Equipment Required: None (Gloves are optional)

Evaluator's Instructions to Candidates

At this station, you will construct a tandem prusik belay system. You must build the belay system, attach it to the provided anchor system and simulated load, then conduct a safety check. A load releasing hitch (LRH) and change of direction pulley are optional.

The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

This is a timed event. You will have a maximum time of ten (10) minutes to properly complete this skill.

To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 6 rows of skill items and 4 columns for evaluation: 1st Attempt Pass, 1st Attempt Fail, 2nd Attempt Pass, 2nd Attempt Fail.

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**Introduction to Technical Rescue: Operate a Belay System during a Lowering or Hauling Operation and Belay a Falling Load**

**Item 5-22 & 5-23**

**Reference:** NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.10 & 5.5.11  
 CMC Rescue, Rope Rescue Manual, Fifth Edition  
 KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

**Evaluator Equipment Required:** A high-angle operating lower or haul system with a minimum travel distance of 10 feet, a belay system, and a 100 lb. load.

**Candidate Equipment Required:** Helmet and Gloves

**Evaluator's Instructions to Candidates**

At this station, you will be evaluated on two separate skills, operating a belay system in a lowering, or hauling operation, and belaying a falling load.

**Skill 1** requires you to operate the belay system so that the belay line is not loaded during operation, and the belay line is prepared for actuation at all times during the operation. You shall be attentive at all times during the operation, the load's position is continually monitored, and the rope moves through the belay device as designed with a minimum amount of slack.

**Skill 2** requires the belayer to recognize a belay system's activation, and utilize the belay system to arrest a falling load.

The skills will transition consecutively. The station will end once a belay line activation has occurred.

This is NOT a timed event, but must be successfully completed in a time consistent with fire ground operations.

To pass this station you must successfully complete 100% of the steps.

**Evaluated Skill Items**

	1st Attempt		2nd Attempt	
	Pass	Fail	Pass	Fail
<b>Skill 1 (5.5.10)</b>				
1. Tend a belay system as designed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Correctly attach a belay line to a belay device.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Don & use task-specific PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Perform a system safety check.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Manage & communicate belay system status effectively.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Skill 2 (5.5.11)</b>				
1. Tend a belay system as designed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Use task-specific PPE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Recognize & arrest a falling load	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Communicate belay system actuation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Candidate's name:** \_\_\_\_\_

**Station:** Pass  Fail

Notes (please include comments/explanation for failure):

**Evaluator's Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_



Reference: NFPA 1006, 2013 Edition, Chapter 5, Job Performance Requirement 5.5.12
CMC Rescue, Rope Rescue Manual, Fifth Edition
KFRTI, Introduction to Technical Rescue, Supplemental Reading, July 2019

Evaluator Equipment Required: A pre-rigged rope rescue system (i.e. mechanical advantage, lowering, or belay), and a pre-rigged single point anchor system

Candidate Equipment Required: None (Gloves are optional)

Evaluator's Instructions to Candidates

At this station, you will conduct a system safety check as a secondary rescuer. Each component of the system will be inspected and secured as required. You will evaluate the system for proper rigging. You will then ensure that the system functions properly while in use and at rest.

The skill will end once you give a verbal confirmation that the system is ready for use in a rescue operation.

This is a timed event. You will have a maximum time of ten (10) minutes to properly complete this skill.

To pass this station you must successfully complete 100% of the steps.

Evaluated Skill Items

Table with 5 rows of skill items and 4 columns for 1st and 2nd attempt Pass/Fail results.

Candidate's name: \_\_\_\_\_

Station: Pass [ ] Fail [ ]

Notes (please include comments/explanation for failure):

Evaluator's Signature:

Date:

## Technical Rescuer “Chapter 4” Local Verification

NFPA 1006 – 2013

Candidate’s Name: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Candidate’s KBEMS Provider Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Candidate’s Fire Department: \_\_\_\_\_

### Local Verification Requirements

1. **NFPA 1006 – 2013, Chapter 4.1. General Requirements:** Local safety policies and procedures require technical rescuers follow regional and national safety standards, and these policies require technical rescuers to complete all activities in the safest manner possible.
  
2. **NFPA 1006 – 2013, Chapter 4.2. Entrance Requirements:**
  - a. The candidate is at least 18 years of age and meets local age requirements.
  - b. The candidate meets the minimum local medical requirements.
  - c. The candidate meets the minimum local physical fitness standard requirements.
  - d. The candidate is a currently registered Kansas Emergency Medical Responder, Emergency Medical Technician, Advanced Emergency Medical Technician, or Paramedic.
  - e. The candidate meets the minimum local educational requirements.
  - f. The candidate is trained to recognize hazardous materials and implement exposure and control methods.
  
3. **NFPA 1006 – 2013, Chapter 4.3. Minimum Requirements:** It is understood that qualification is specific to a specialty area. For qualification, a rescuer shall perform all of the job performance requirements in Chapter 5 and all job performance requirements listed in at least one level of a specialty area (Chapters 6 through 19). Technical rescuers will be identified by their specialty area and level of qualification (i.e., Rope Rescuer – Level I, Confined Space Rescuer—Level II, etc.).

***This section is to be completed by Fire Chief, Training Chief, or Program Director ONLY***

I have reviewed the candidate’s file and affirm that the candidate identified above has met the requirements listed in paragraphs 1 through 3 above. All requirements have been successfully conducted and completed per local department protocol and policies. All information listed above can be validated by a written and/or hard copy of the documents maintained by the department.

\_\_\_\_\_  
 Typed or Legibly Printed Name of Fire Chief, Training Chief, or Program Director

\_\_\_\_\_  
 Signature of Fire Chief, Training Chief, or Program Director

Date: \_\_\_\_\_ Department / Organization: \_\_\_\_\_

Department / Organization Phone Number: ( \_\_\_\_\_ ) \_\_\_\_\_ - \_\_\_\_\_