

# ***National Certification Program Study Guide***

March 2010



# **Structural Collapse Rescue Technician**

(Levels I & II)



**NFPA 1006,**

**Standard for Rescue Technician Professional Qualifications,**  
**2008 Edition**

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## Introduction to Certification for Structural Collapse Technician

Each individual seeking certification within the Kansas Fire & Rescue Training Institute, the University of Kansas, Certification System must submit an application and the appropriate fee to secure entrance into the system. Candidates are given one year in which to complete the certification process. An application form may be downloaded at: <http://www.kuce.org/fire>.

Prior to taking the certification test, applicants must successfully complete the Kansas Fire & Rescue Training Institute's Structural Collapse Rescue Technician Course. Candidates who have successfully completed an equivalent course are eligible to challenge the certification test. Approved equivalent courses include Structural Collapse Rescue Technician courses taught by other state fire training agencies; Rescue Systems I and II; FEMA/USAR Structural Collapse Rescue Technician equivalent course; and others. The candidate must submit documentation showing successful completion of these type courses to the Technical Rescue Programs Manager for an eligibility determination prior to being approved to challenge certification.

A list of current fees may be obtained by calling 785-864-4790 or toll free 1-866-804-8841. Purchase orders from cities or organizations will be accepted. Kansas Fire & Rescue Training Institute will not "bill" individuals for the certification fee. Checks or credit cards are accepted from individuals. Upon receipt of the application and fee, the candidate will be scheduled into a specific exam site as requested or the candidate may select an exam site from the schedule on the KUCE website.

Applicants may register for an exam site at the time of application by completing the appropriate block on the application form. Candidates requesting a specific test site should contact the Kansas Fire & Rescue Training Institute at 785-864-4790 or toll free 1-866-804-8841 to confirm that they have a reserved place at the exam.

Certification candidates are given two (2) attempts at each component, written and practical, within the twelve month certification period. If the candidate takes either component of the exam twice without passing, the candidate is required to resubmit a certification application form as well as an additional certification fee before being scheduled to retest a third time.

Candidates failing the written exam are responsible for notifying Kansas Fire & Rescue Training Institute of their desire to retest and enroll at the next scheduled exam that has available space or they may come to the Kansas Fire & Rescue Training Institute in Lawrence, Kansas to take a retest. Written exams will **not** be graded at the test site.

Candidates are responsible for **all of the skills** required by the NFPA 1006, *Standard for Rescue Technician Professional Qualifications*, 2008 edition, Chapters 5 and 9 during the practical exam. An exact list of specific skills is included in this study guide.

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**An official government issued picture ID (e.g., driver's license, military ID, etc.) must be shown for admittance to a written or practical exam.**

## Prerequisite Certifications for This Certification

None

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## Prerequisite Knowledge

Applicants should be familiar with the Incident Command System as outlined in NIMS both in terms of system functions and system positions.

Applicants should be familiar with NIMS standard ICS forms. These forms may be used during testing by requiring applicants to complete portions of them.

Applicants may wish to review the Department of Homeland Security, *National Incident Command System*, March 1, 2004, available on-line at [http://www.fema.gov/pdf/emergency/nims/nims\\_doc\\_full.pdf](http://www.fema.gov/pdf/emergency/nims/nims_doc_full.pdf) for further information on NIMS ICS. The forms are found in Tab 9 of Appendix A.

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## Authorized Reference Material

Applicants will be provided with a copy of the US Army Corps of Engineers Urban Search & Rescue Shoring Operations Guide which will be returned at the end of the test.

The applicant may use this document during both the Written Examination and the Practicals Examination.

The applicant may not make any marks or otherwise annotate the provided copy of this document.

The applicant may NOT use a personal copy of the document nor any other documents during any portion of the certification test. Using any unauthorized documents constitutes a violation of KF&RTI policies as stated in ***The National Certification Program Criteria and Procedures Guide*** and will result in sanctions as specified in that document.

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## Safety Equipment

Each student applying to certify at this level is **REQUIRED** bring the following approved equipment to the test site:

- Safety Hard Hat (Fire Helmet will suffice)
- Leather gloves
- Steel toe safety boots
- Long trousers
- Safety glasses or goggles (suitable for interior and exterior use)

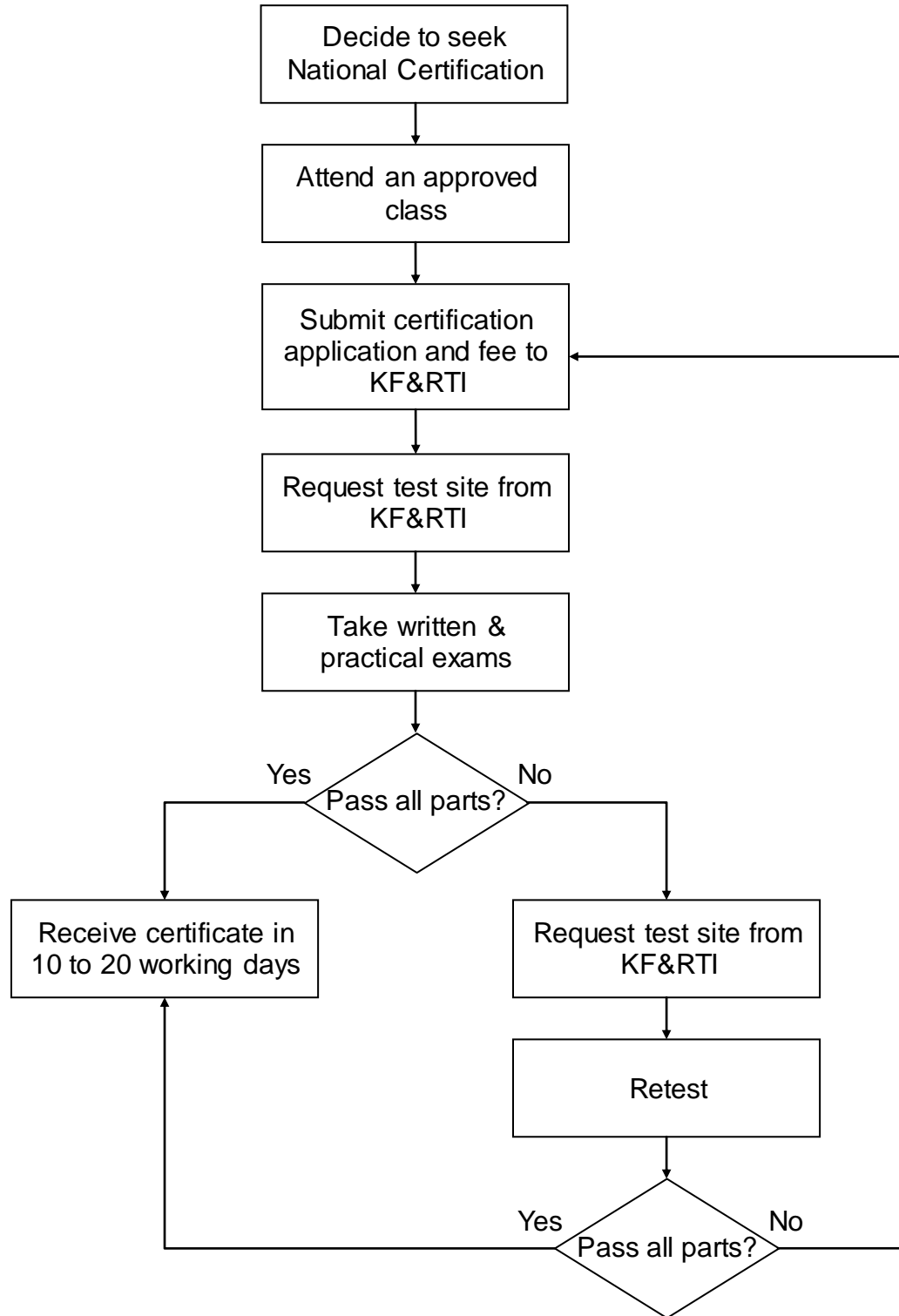
The following equipment is **RECOMMENDED** and is left up to the applicant's discretion:

- USAR ensemble, wildland firefighting ensemble, or coveralls
- Long sleeve tee shirt
- Outer garments suitable to the weather
- Structural fire fighting ensemble or rain suit
- Cartridge respirator

Disposable dust masks and ear plugs will be provided at the test site.

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### Certification Flow Chart for Structural Collapse Technician



## Reference Texts

The required texts for this class are the **responsibility of the candidate**. They will **NOT** be provided during class. It is strongly recommended that the candidate complete the reading before the start of the class.

These reference texts include:

- a. Delmar, **Engineering Practical Rope Rescue Systems**, 1<sup>st</sup> edition, 2000.
- b. IFSTA, **Fire Service Search and Rescue**, 7<sup>th</sup> edition, 2005.
- c. Brady, **Prehospital Emergency Care**, 7<sup>th</sup> edition, 2004.

## Supplemental Reading References

The supplemental reading references will be provided as part of class.

These references include:

- a. KF&RTI, **Supplemental Reading Guide**
- b. FEMA, **National US&R Response System, Structural Collapse Technician, Student Manual.**

Those candidates challenging the certification without attending class may purchase these Supplemental Reading References (for the direct cost of reproduction) by contacting KF&RTI.

## **Certification Examination Instructions Structural Collapse Technician NFPA 1006 – 2003**

### **Prerequisites:**

Candidates seeking certification for Structural Collapse Technician within the Kansas Fire & Rescue Training Institute, the University of Kansas, must meet the following:

1. Residency and membership requirements as stated in Section 12, "Certification Policies" of the Criteria and Procedures document published by the Kansas Fire & Rescue Training Institute.
2. Candidate must be competent in all objectives listed in NFPA 1006, Standard Rescue Technician Professional Qualifications, 2008 edition, Chapters 5 and 9

### **Part I - Written Examination:**

The Structural Collapse Technician written certification exam is based on the **Requisite Knowledge** objectives listed in NFPA 1006, Standard for Rescue Technician Professional Qualifications, 2008 edition, Chapters 5 and 9. Reading lists for both chapters are provided in this study guide. Candidates will be required to score a minimum of 70%.

1. The written exam will consist of one hundred (100) multiple choice and true/false questions.
  - a. A twenty-five (25) question test will cover Chapter 5.
  - b. A seventy-five (75) question test will cover Chapter 10.
  - c. Candidates must attain 70% on **each** test to pass.
2. The candidate will be allowed two (2) hours to complete the written exam.

### **Part II – Practical Examination:**

The Structural Collapse Technician practical certification exam is based on **Requisite Knowledge** and **Requisite Skills** objectives listed in NFPA 1006, Standard for Rescue Technician Professional Qualifications, 2008 edition, Chapters 5 and 9. Candidates will be required to score 100% on the skills checklist.

The skills sheets are provided as part of the Structural Collapse Technician Study Guide. The skills for a particular test site will be selected randomly. The selected skills will be organized in four (4) skill stations. The candidate must pass all four (4) skill stations.

**Written Exam Reading Reference Listings  
for  
NFPA Standard 1006 – 2008**

**Chapter 5,  
Introduction to Technical Rescue**

**and**

**Chapter 9,  
Structural Collapse Rescue Technician**

## Chapter 5 Written Exam Reading Reference Listing

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**Standard:** NFPA 1006, *Standard for Rescue Technician Professional Qualifications*, 2008 Edition

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<b>Reading Reference:</b>	<b>Code:</b>
<u>Delmar, Engineering Practical Rope Rescue Systems, 1<sup>st</sup> edition</u>	<b>Delmar</b>
<u>IFSTA, Fire Service Search and Rescue, 7th edition</u>	<b>IFSTA</b>
<u>Brady, Prehospital Emergency Care, 7<sup>th</sup> edition</u>	<b>Brady</b>
<u>KF&amp;RTI, Supplemental Reading Guide</u>	<b>KF&amp;RTI</b>

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<b>NFPA 1006-2008 Requisite Knowledge Objectives</b>	<b>Reading &amp; Study Reference</b>
5.2.1 Site operations	Delmar p 48 KF&RTI pp 1-25, 1-28, 1-33, 1-48 IFSTA pp 30-31, 70
5.2.2 Size up	Brady pp 6-7, 143-148, 937-950 KF&RTI pp 1, 30-33, IFSTA pp 13, 34-36, 170, 176, 224 Delmar pp 12-24, 29-36
5.2.3 Manage the incident	Brady pp 6-7 KF&RTI pp 1-25, 1-9 IFSTA pp 17-19, 35-45, 54-61, 72-73, 83-84, 107, 115, 159, 168-176, 224, 331 Delmar pp 19-39
5.2.4 Manage resources	KF&RTI pp 1-9, 1-32, 1-33, 1-34, 1-47 IFSTA pp 20-29, 34, 41-42, 107, 144, 159, 170, 176, 181-182, 224, 286, 365-367 Brady pp 262, 947-948
5.2.5 Conduct search	IFSTA pp 54-61, 263, 365-367 Brady pp 6-7, 146-148, 618-622, 709, 937, 947-950
5.2.6 Perform ground support operations helicopter	KF&RTI pp 1-16 to 1-18, IFSTA p 42 Delmar pp 148-152, 178
5.2.7 Terminate the incident	IFSTA pp 41-49 Brady pp 926-933
5.3.1 Access a victim	IFSTA pp 54-60, 99, 170, 201, 214, 263
5.3.2 Assess a victim	IFSTA p 30 Brady 19-21, 104-106, 143, 161-171, 605-622, 940-944

***(Continued on the next page)***

- 5.3.3 Stabilize a victim Brady pp 103-106, 117-119, 166, 613-622, 709, 729-747  
Delmar p 229
- 5.3.4 Triage victims KF&RTI p 1-2  
IFSTA p 30  
Brady pp 166, 613-620, 940-944
- 5.3.5 Package victims IFSTA pp 54, 148-152  
Delmar p 229  
Brady pp 104-106, 618-620, 729-747, 876-878
- 5.3.6 Move victim in low angle IFSTA pp 148-154, 168-173,  
Brady pp 104-106, 864-866, 876-878
- 5.3.7 Transfer victim to EMS KF&RTI p 1-34  
IFSTA pp 28-29, 181-182  
Brady pp 31-36, 528-529, 940-944
- 5.4.1 Inspect and maintain PPE Brady p 262  
KF&RTI pp 1-46 to 1-47  
IFSTA pp 54-64, 86-87  
Delmar pp 13-16, 70-71, 76-77
- 5.4.2 Inspect and maintain rescue equipment  
Delmar pp 13, 48-49, 75  
Brady p 262  
IFSTA pp 83-84, 111-113
- 5.5.1 Tie knots Delmar pp 11-15, 74-75, 81-87, 96, 113-114, 121-137, 173, 187  
IFSTA p 109
- 5.5.2 Construct single-point anchor system  
IFSTA pp 12, 109, 133  
Delmar pp 11-15, 67, 74-75, 81-87, 95-96, 107, 113-114, 122-128, 135,  
173, 208, 247
- 5.5.3 Construct a simple rope mechanical advantage system  
IFSTA pp 12, 109, 138  
Delmar pp 11-16, 66-67, 76, 90, 96, 107, 121-127, 137, 147, 160, 173,  
243-267, 309
- 5.5.4 Direct a team in the operation of a simple rope mechanical advantage system  
IFSTA pp 109, 138-146  
Delmar pp 2-15, 76, 90, 121-147, 159-160, 243-267
- 5.5.5 Construct a lowering system  
IFSTA pp 12, 109  
Delmar pp 4-16, 56-67, 96-107, 121-127, 160, 173-175, 224-247, 260
- 5.5.6 Direct a lowering operation  
IFSTA p 137  
Delmar pp 4-16, 56-62, 76, 96-121, 159-160, 173-175, 207-208, 224
- 5.5.7 Construct a belay system IFSTA pp 12, 139  
Delmar pp 11-16, 56-67, 96, 107, 121-127, 160, 208, 247

5.5.8 Operate a belay system during a lowering or raising operation

IFSTA p 139

Delmar pp 56, 96, 107, 159-161

5.5.9 Belay a falling load

IFSTA p 115

Delmar pp 56, 96, 107, 139, 160

5.5.10 Conduct a system safety check

IFSTA pp 11-12, 108-115

Delmar pp 11-16, 76, 87, 96, 107, 125, 160, 187

## Chapter 10 Written Exam Reading Reference Listing

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**Standard:** NFPA 1006, *Standard for Rescue Technician Professional Qualifications*, 2008 Edition

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**Reading Reference:** FEMA National US&R Response System, Structural Collapse Technician, Student Manual.

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**NFPA 1006-2008  
Requisite Knowledge  
Objectives**

**Reading & Study Reference**

**Level I JPRs**

- 9.1.1 Size Up  
**Module 1b** pp. 5-12,  
**Module 1c** pp 4-9, 12-16, 18-24, 46, 49-55  
**Module 1c** pp 56-57, 61, 68-73, 79-80, 83-84.
- 9.1.2 Victim Location  
**Module 1c**.pp 45, 50, 72, 80, 84-86, 95-97, 100
- 9.1.3 Develop action plan  
**Module 1b** pp1-8, 16, 19  
**Module 1c** p 82
- 9.1.4 Implement action plan  
**Module 1a** pp 4.  
**Module 1b** pp 1-6, 8, 16-17.  
**Module 1c** pp 2-4  
**Module 1c** pp 70
- 9.1.5 Conduct search  
**Module 1b** p 6  
**Module 1c** pp 92, 94, 97, 100
- 9.1.6 Stabilize light frame structure  
**Module 1c** pp 10-11, 13, 23, 27-28, 32, 39, 44, 45-46  
**Module 1c** pp 61, 70  
**Module 2a** pp 1, 4-5, 7-12, 17-19, 24  
**Module 2b** pp 13-18, 31, 41
- 9.1.7 Implement support operations  
**Module 1b** pp 16, 21, 19  
**Module 1d** pp 22-24
9. 1.8 Release victim from entrapment  
**Module 1b** pp 16, 17, 19  
**Module 1c** pp 76, 90  
**Module 1d** pp 4, 6-7, 10, 13, 36  
**Appendix E** pp 1, 5
- 9.1.9 Remove victim from collapse  
**Module 1b** pp 13, 19  
**Appendix E** pp 1, 9
- 9.1.10 Lifting heavy Loads  
**Module 4** pp 3-15, 19-21, 30, 36, 41

- 9.1.11 Moving Loads           **Module 4** pp 3-6, 36
- 9.1.12 Breaching               **Module 1c** pp 101-103  
**Module 3** pp 3-5, 8, 11, 14-16
- 9.1.13 Cribbing                 **Module 2a** pp 10-12, 14  
**Module 4** pp 21-22
- Level II JPRs**
- 9.2.1 Size Up                   **Module 1b** pp. 5-12,  
**Module 1c** pp 4-9, 12-16, 18-24, 46, 49-55  
**Module 1c** pp 56-57, 61, 68-73, 79-80, 83-84.
- 9.2.2 Victim Location         **Module 1c**.pp 45, 50, 72, 80, 84-86, 95-97, 100
- 9.2.3 Develop action plan     **Module 1b** pp1-8, 16, 19  
**Module 1c** p 82
- 9.2.4 Implement action plan   **Module 1a** pp 4.  
**Module 1b** pp 1-6, 8, 16-17.  
**Module 1c** pp 2-4  
**Module 1c** pp 70
- 9.2.5 Conduct search         **Module 1b** p 6  
**Module 1c** pp 92, 94, 97, 100
- 9.2.6 Stabilize heavy construction  
**Module 1c** pp1-6, 8, 18, 30-34, 38, 41-48, 54  
**Module 1c** pp 64-67, 75, 77, 84, 87, 94-95, 100  
**Module 2a** pp 2, 12, 18, 25-26, 28-29, 35, 41  
**Module 2b** pp 4, 6-7, 16, 24, 31, 35, 50-51
- 9.2.7 Implement support operations  
**Module 1b** pp 16, 21, 19  
**Module 1d** pp 22-24
- 9.2.8 Release victim from entrapment  
**Module 1b** pp 16, 17, 19  
**Module 1c** pp 76, 90  
**Module 1d** pp 4, 6-7, 10, 13, 36  
**Appendix E** pp 1, 5
- 9.2.9 Remove victim from collapse  
**Module 1b** pp 13, 19  
**Appendix E** pp 1, 9
- 9.2.10 Lifting heavy loads     **Module 4** pp 3-15, 19-21, 30, 36, 41
- 9.2.11 Moving Loads           **Module 4** pp 3-6, 36
- 9.2.12 Breaching               **Module 1c** pp 101-103  
**Module 3** pp 3-5, 8, 11, 14-16
- 9.2.13 Cribbing                 **Module 2a** pp 10-12, 14  
**Module 4** pp 21-22
- 9.2.14 Stabilize heavy construction  
**Module 1c** pp1-6, 8, 18, 30-34, 38, 41-48, 54

**Module 1c** pp 64-67, 75, 77, 84, 87, 94-95, 100

**Module 2a** pp 2, 12, 18, 25-26, 28-29, 35, 41

**Module 2b** pp 4, 6-7, 16, 24, 31, 35, 50-51

9.2.15 Cutting Steel

**Module 1d** pp 37-39,

**Module 2a** p 14

**Module 3** pp 12, 16

9.2.17 Equipment coordination

**Module 1b** pp 5, 8, 9

**Module 2a** p 11

**Module 2b** p 1

**Module 4** pp 1, 25, 43-46

## Safety During Performance Testing

Performance testing for the skills required to be demonstrated by an applicant is inherently dangerous. The applicant may be exposed to tools, atmospheres, procedures, and loads that can potentially injure or kill a person if safety procedures are not followed.

It is imperative that applicants adhere to all safety requirements and procedures as specified by this document, the site hosting organization, the training curriculum, and the testing team.

An overall safety briefing will be delivered by the Test Site Coordinator at the beginning of the Performance Testing phase, prior to applicants moving to the respective Skills Stations. A specific Skills Station safety briefing will be delivered by the evaluation team at that skills station before the evaluation commences. Applicants are expected to listen to these briefings and ask any questions they have. Asking questions relating to safety at any time during the Performance Testing phase will **not** have any impact upon the applicant's go or no go on that Skill Station.

If an applicant hears a **LONG BLAST** on an **AIR HORN**, **STOP ALL ACTION IMMEDIATELY**. This indicates a safety issue has arisen. Take direction from the evaluation team before continuing.

However, violations of safety procedures may cause an applicant to fail a Skill Station or having his Performance Test terminated, regardless of his proficiency in performance of the skills.

Safety violations will be categorized into two types:

### 1. Safety Concerns

- a. These are violations of a relatively minor nature, though violations nonetheless.
- b. These violations do not cause significant injury nor result in damage of equipment.
- c. **THREE (3)** violations of this type will constitute a **FAILURE** of that Skill Station. Failure of a Skill Station results in failure of the Performance Test phase of the certification exam. Therefore, the applicant will **NOT** continue on to the next Skills Station.
- d. Safety Concerns include, but are **NOT LIMITED** to the following examples:
  - i. Removal or failure to wear required safety gear during the skills testing.
  - ii. Stepping onto life safety rope.
  - iii. Stepping onto hydraulic hoses of rescue equipment.
  - iv. Running on the test site.

### 2. Safety Violations

- a. These are violations of a significant nature.
- b. These violations **cause or have the potential to cause** significant injury or result in damage of equipment.
- c. **ONE (1)** violation of this type will constitute a **FAILURE** of that Skill Station. Failure of a Skill Station results in failure of the Performance Test phase of the certification exam. Therefore, the applicant will **NOT** continue on to the next Skills Station.
- d. Safety Violations include, but are **NOT LIMITED** to the following examples:
  - i. Throwing a tool or projectile.
  - ii. Any action which results, or could potentially result, in significant injury or death.
  - iii. Misuse of a tool in a manner for which it was clearly not intended.
  - iv. Working directly under a suspended load.
  - v. Positioning of the hands during cribbing such that a finger could be pinched or crushed if the suspended load was inadvertently released.

The applicant will be advised of failure due to safety violations by the Test Site Coordinator. The Test Site Coordinator's decision is **FINAL** with regards to testing that day. The applicant may choose to appeal the decision in accordance with KF&RTI's policies.

If an applicant has any question about safety, he should ask the evaluation team **BEFORE** possibly committing a safety violation.

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**Performance Test Items  
from  
NFPA Standard 1006 - 2008  
Chapter 5,  
Introduction to Technical Rescue**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-1, Identify Support Resources**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.2.1.

**Personal Protective Equipment Required:** Gloves, helmet, boots, clipboard pen and paper.

**Tools/Equipment/Setting:** Rescue tool cache.

**Instructions to Candidate:**

In this station you are required to identify the needed support resources, given a specific type of incident scenario. .

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Track equipment inventory.
_____	_____	_____	_____	2. Identify lighting resources & structures for shelter & thermal protection.
_____	_____	_____	_____	3. Select rehab areas.
_____	_____	_____	_____	4. Manage personnel rotations.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_\_ **F:** \_\_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-2, Size Up

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.2.2.

**Personal Protective Equipment Required:** Gloves, helmet, boots, clipboard pen and paper.

**Tools/Equipment/Setting:** Mock rescue incident, Rescue tool cache, ICS Form 201.

**Instructions to Candidate:**

In this station you are required to perform a size-up of a rescue incident given background information applicable reference materials and a specific type of incident scenario. .

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Read technical rescue reference materials.
_____	_____	_____	_____	2. Gather information.
_____	_____	_____	_____	3. Relay information.
_____	_____	_____	_____	4. Use information gathering resources.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-3, Manage Incident Hazards**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.2.3.

**Personal Protective Equipment Required:** Gloves, helmet, boots, clipboard pen and paper.

**Tools/Equipment/Setting:** Mock rescue incident, rescue tool cache, specialized resources list.

**Instructions to Candidate:**

In this station you are required to manage incident hazards, given scene control barriers, personal protective equipment, requisite equipment, and available specialized resources for the given scenario. .

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Identify resource capabilities & limitations.
___	___	___	___	2. Identify incident hazards.
___	___	___	___	3. Assess victim viability (risk-benefit).
___	___	___	___	4. Use technical references.
___	___	___	___	5. Place scene control barriers.
___	___	___	___	6. Operate control & mitigation equipment.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-4, Manage Resources

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.2.4.

**Personal Protective Equipment Required:** Gloves, helmet, boots, radio, clipboard pen and paper.

**Tools/Equipment/Setting:** Mock rescue incident, rescue tool cache, specialized resources list, tactical worksheets, SOP's, Accountability protocol.

**Instructions to Candidate:**

In this station you are required to manage resources at a rescue incident, given incident information, a means of communication, resources, tactical worksheets, personnel accountability protocol, applicable references, and standard operating procedures.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Implement an Incident Management System.
_____	_____	_____	_____	2. Complete tactical worksheets.
_____	_____	_____	_____	3. Use reference materials.
_____	_____	_____	_____	4. Evaluate incident information.
_____	_____	_____	_____	5. Match resources to operational needs.
_____	_____	_____	_____	6. Operate communications equipment.
_____	_____	_____	_____	7. Manage incident communications.
_____	_____	_____	_____	8. Communicate in a manner so that objectives are met.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-5, Conduct a Search**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.2.5.

**Personal Protective Equipment Required:** Gloves, helmet, boots, eye protection, radio,.

**Tools/Equipment/Setting:** Mock rescue incident, simulated victims, rescue scenario.

**Instructions to Candidate:**

In this station you are required to conduct a search, given hazard-specific personal protective equipment, equipment pertinent to search mission, an incident location, and victim investigative information.

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	
___	___	___	___	1. Ability to enter, maneuver in, and exit the search environment.
___	___	___	___	2. Provide for and perform self-escape/self-rescue.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-6, Helicopter Ground Support Operations**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.2.6

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.)

**Tools/Equipment/Setting:** Large open area, simulated accident scene, lighting as required.

**Instructions to Candidate:** In this station you are required to perform ground support operations for helicopter activities, given a rescue scenario/incident, helicopter, operational plan, personal protective equipment, requisite equipment and available specialized resources.

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	
_____	_____	_____	_____	1. Ability to provide ground support operations.
_____	_____	_____	_____	2. Review SOPs for helicopter operations.
_____	_____	_____	_____	3. Use PPE.
_____	_____	_____	_____	4. Establish & control landing zones.
_____	_____	_____	_____	5. Communicate with aircrews.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-7, Terminate the Incident**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.2.7.

**Personal Protective Equipment Required:** Gloves, helmet, boots, eye protection, radio,.

**Tools/Equipment/Setting:** Mock rescue incident, rescue scenario.

**Instructions to Candidate:**

In this station you are required to terminate the incident, given isolation barriers and specialized teams and equipment..

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	
___	___	___	___	1. Recognize hazards.
___	___	___	___	2. Conduct risk analysis.
___	___	___	___	3. Use site control equipment & methods.
___	___	___	___	4. Use data collection & management systems.
___	___	___	___	5. Use asset & personnel tracking systems.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-8, (NOT USED)**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-9, (NOT USED)**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-10, (NOT USED)**



**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-11, Triage Victims**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008, Chapter 5, Paragraph 5.3.1.

**Personal Protective Equipment Required:** Gloves, helmet, boots, eye protection, BSI equipment.

**Tools/Equipment/Setting:** Mock rescue incident, simulated patients for triage, Triage kit, Local triage protocols

**Instructions to Candidate:**

In this station you are required to initiate triage of multiple patients, given a triage kit and local protocols.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Use triage materials, techniques, & resources.
_____	_____	_____	_____	2. Categorize victims correctly.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-12, (NOT USED)**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-13, Move a Victim in a Low Angle  
Environment**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.3.2.

**Personal Protective Equipment Required:** Gloves, helmet, boots, eye protection, BSI equipment.

**Tools/Equipment/Setting:** Mock rescue incident, simulated patients, various pt packaging devices, basic first aid kit, rope rescue equipment.

**Instructions to Candidate:**

In this station you are required to move a victim in a low angle environment, given victim transport equipment, litters, and other specialized equipment and victim removal systems specific to the rescue environment.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Secure a victim to transport equipment.
___	___	___	___	2. Assemble & operate environment-specific victim removal systems.
___	___	___	___	3. Choose an incident-specific transport device.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-14, Transfer a Victim to Emergency Medical  
Services (EMS)**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006- 2008, Chapter 5, Paragraph 5.3.7.

**Personal Protective Equipment Required:** Gloves, helmet, boots, eye protection, BSI equipment .

**Tools/Equipment/Setting:** Mock rescue incident, simulated patients, various pt packaging devices, basic first aid kit, transfer protocols.

**Instructions to Candidate:**

In this station you are required to Transfer a victim to emergency medical services(EMS), given local medical protocols.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Report victim condition & history to the EMS provider.
___	___	___	___	2. Complete reports & checklists.
___	___	___	___	4. Verbal communications skills.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-15, Inspect & Maintain Specialized PPE**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008, Chapter 5, Paragraph 5.4.1

**Personal Protective Equipment Required:** Appropriate for the environment

**Tools/Equipment/Setting:** Respirators, SCBA, goggles, helmets, gloves, harnesses,

**Instructions to Candidate:** In this station you will be asked to inspect and maintain hazard specific personal protective equipment, given clothing or equipment for the protection of the rescuers, including respiratory protection, cleaning and sanitation supplies, maintenance logs or records, and such tools and resources as are indicated by the manufacturer's guidelines for assembly or disassembly of components during repair or maintenance.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Identify wear & damage indicators for PPE.
_____	_____	_____	_____	2. Evaluate operational readiness of PPE.
_____	_____	_____	_____	3. Complete logs & records.
_____	_____	_____	_____	4. Use cleaning equipment, supplies, & reference materials.
_____	_____	_____	_____	5. Select & use tools specific to task.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-16, Inspect and Maintain Rescue Equipment**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008, Chapter 5, Paragraph 5.4.2

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.)

**Tools/Equipment/Setting:** goggles, helmets, gloves harnesses, rope and rope hardware, miscellaneous rescue tools

**Instructions to Candidate:** In this station you will be asked to inspect and maintain rescue equipment, given maintenance logs and records, tools, and resources as indicated by the manufacturer's guidelines, an equipment replacement protocol, and operational SOP.,

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Identify wear & damage indicators for PPE.
_____	_____	_____	_____	2. Evaluate operational readiness of PPE.
_____	_____	_____	_____	3. Complete logs & records.
_____	_____	_____	_____	4. Select & use maintenance tools.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_\_ **F:** \_\_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-17, Knots

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.1

**Personal Protective Equipment Required:** None

**Tools/Equipment/Setting:** gloves rope, webbing accessory cord.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

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

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	

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
_____	_____	_____	_____	2. Figure 8 on a bight
_____	_____	_____	_____	3. Double fisherman knot
_____	_____	_____	_____	4. Butterfly knot
_____	_____	_____	_____	5. Figure 8 Bend
_____	_____	_____	_____	6. Water Knot (in webbing)
_____	_____	_____	_____	7. Overhand Safety Knot
_____	_____	_____	_____	8. Figure 8 follow-through
_____	_____	_____	_____	9. Tensionless Hitch
_____	_____	_____	_____	10. Wrap 3 Pull 2
_____	_____	_____	_____	11. 3 wrap Tandem Prussik
_____	_____	_____	_____	12. Clove Hitch

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-18, Construct a Single Point Anchor System**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.2

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.)

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, webbing, and other auxiliary rope rescue equipment.

**Instructions to Candidate:** In this station you will be asked to construct a single point anchor system, given life safety rope, edge protection, and other auxiliary rope rescue equipment,

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select rope & equipment.
_____	_____	_____	_____	2. Tie knots.
_____	_____	_____	_____	3. Rig systems.
_____	_____	_____	_____	4. Evaluate anchor points for required strength, location, & surface contour.
_____	_____	_____	_____	5. Perform a system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-19, Construct Simple Mechanical Advantage

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.4

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc).

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, rope grab devices (prussiks, gibbs etc.) webbing, and other auxiliary rope rescue equipment. The evaluator shall choose one of the following simple mechanical advantage systems for construction: 2:1, 3:1, 4:1, 5:1.

**Instructions to Candidate:** In this station you will be required to construct a simple mechanical advantage system, given life safety rope, carabiners, pulleys, rope grab devices, and auxiliary rope rescue equipment.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select appropriate rope & equipment.
_____	_____	_____	_____	2. Tie proper knots.
_____	_____	_____	_____	3. Choose & rig systems.
_____	_____	_____	_____	4. Attaches the MA system to the anchor system and to the load.
_____	_____	_____	_____	5. Perform system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-20, Direct a Team in the Operation of a  
Mechanical Advantage System in Low-Angle Raising Operation**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.5

At this station you will be asked to direct a team in the operation of a simple mechanical advantage system in a low-angle raising operation, given rescue personnel, an established rope rescue system incorporating a simple mechanical advantage system, a load to be moved, and an anchor system so the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, commands are used to direct the operation, and the potential problems are identified, communicated and managed.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, rope grab devices (prussiks, gibbs etc.) webbing, and other auxiliary rope rescue equipment.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be required to direct the operation of a simple mechanical advantage system in a low-angle raising operation. You must ensure the movement is controlled and the load can be held in place when needed. You must also identify and manage any potential safety problems. You are responsible for safety check of entire system.
2. The skill will end when you state or indicate to the evaluator that you have completed all identified steps including at least 3 resets of the system.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Directs personnel effectively.
___	___	___	___	2. Uses operational commands.
___	___	___	___	3. Analyzes system efficiency.
___	___	___	___	4. Identifies safety concerns.
___	___	___	___	5. Performs system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-21, Construct a Lowering System**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.8

At this station you will be required to construct a lowering system, given a single point anchor, life safety rope(s), descent control device, and auxiliary rope rescue equipment, so that the system can accommodate the load, is efficient, is capable of controlling the descent, is capable of holding the load in place or lowering with minimal effort over the required distance, and is connected to an anchor system and the load.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, prussiks, webbing, descent devices and other auxiliary rope rescue equipment.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be required to construct a lowering system provided life safety rope, descent control devices, an anchor system, and a load. The system must be efficient, capable of holding the load in place or lowering with minimal effort. It must be correctly attached to the load and the anchor.
2. The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Tie proper knots.
___	___	___	___	2. Perform rigging.
___	___	___	___	3. Attach to descent control device, anchor system, and load.
___	___	___	___	4. Perform a system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-22, Direct the Operation of a Lowering System in a Low-Angle Environment

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.9

At this station you will be required to direct a lowering operation in a low-angle environment, given rescue personnel, and established lowering system, and a load to be moved, so that the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, rope commands are used to direct the operation, and potential problems are identified communicated, and managed.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, rope grab devices (prussiks, gibbs etc.) webbing, descent devices and other auxiliary rope rescue equipment.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be required to direct a lowering operation in a low-angle environment provided an established lowering system, an anchor system, and a load. The system must be efficient, capable of holding the load in place or lowering with minimal effort. It must be correctly attached to the load and the anchor. The operation of the system may not stress the system beyond its safe working load. You are responsible for performing a check of entire system prior to operation.
2. The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Direct personnel.
___	___	___	___	2. Use operational commands.
___	___	___	___	3. Analyze system efficiency.
___	___	___	___	4. Manage movement of the load in a low-angle environment.
___	___	___	___	5. Identifies safety concerns in a low-angle environment.
___	___	___	___	6. Perform a system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-23, Construct a Belay System

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.11

This station will test the candidates ability to construct a belay system, successful completion will require the candidate tie knots, select a system, perform rigging, attach system to an anchor and load, don and use specific PPE, and perform a system safety check.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, belay devices (prussiks, 540.) webbing, and other auxiliary rope rescue equipment.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be asked to construct a belay system, given life safety rope, anchors, and equipment, so that the system is capable of arresting a fall without active belayer participation (passes the whistle test), a fall will not result in system failure, the system is not loaded unless actuated, actuation of the system will not injure or render the belayer ineffective, the belayer is not rigged into the equipment components of the system, and the system is suitable to the site and is connected to an anchor system and the load.
2. The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Selects a system.
___	___	___	___	2. Ties correct knots.
___	___	___	___	3. Performs rigging.
___	___	___	___	4. Attaches belay system to anchor system and to load.
___	___	___	___	5. Don & use task-specific PPE.
___	___	___	___	6. Perform system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-24, Operation of a Belay System**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.12

This station will test the candidate's ability to operate a belay system in conjunction with normal lowering and hauling operations, and operational commands.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, belay devices, webbing, and other auxiliary rope rescue equipment. Candidate will be given an operating lowering or hauling system, a belay system and a load.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be asked to operate a belay system, successful completion will require the candidate operate the belay system so that the belay line is not loaded during operation of the primary rope rescue system, the belay line is prepared for actuation at all times during the operation, the belayer shall be attentive at all times during the operation, the load's position is continually monitored, and the belayer moves the rope through the belay device as designed with a minimum amount of slack.
2. The skill will end when you state or indicate to the evaluator that you have completed all identified steps and belayed the load a minimum of 25 feet.

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	
_____	_____	_____	_____	1. Tends a belay system as designed.
_____	_____	_____	_____	2. Ties approved knots.
_____	_____	_____	_____	3. Asses system effectiveness.
_____	_____	_____	_____	4. Attach a belay line to a belay device.
_____	_____	_____	_____	5. Don & use task-specific PPE.
_____	_____	_____	_____	6. Perform a system safety check.
_____	_____	_____	_____	7. Manage & communicate belay system status effectively.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-25, Belay a Falling Load

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.13

This station will test the candidate's ability to operate a belay system as designed tie approved knots, use task - specific personal protective equipment, recognize and arrest a falling load, and communicate belay system actuation.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, belay devices, webbing, and other auxiliary rope rescue equipment. Candidate will be given an operating belay system and a load.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be asked to belay a falling load, given a belay system and a dropped load, so that the belay line is not taut until the load is falling, the belay device is actuated when the load falls, the fall is arrested, the belayer utilizes the belay system as designed, and the belayer is not injured or rendered ineffective during actuation of the belay system.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Tends a belay system as designed.
___	___	___	___	2. Ties approved knots.
___	___	___	___	3. Use task-specific PPE.
___	___	___	___	4. Recognize & arrest a falling load.
___	___	___	___	5. Communicate belay system actuation.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-26, Conduct a System Safety Check

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.14

This station will test the candidate's ability to apply and use personal protective equipment, inspect rope rescue system components for damage, assess a rope rescue system for configuration, secure equipment components, inspect all rigging, and perform a system safety check.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, belay devices, webbing, and other auxiliary rope rescue equipment..

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be asked to conduct a system safety check, given a rope rescue system and rescue personnel so that a physical/visual check of the system is made to ensure proper rigging, a load test is performed prior to life-loading the system, and verbal confirmation of these actions is announced and acknowledged before life – loading the system.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Apply & use PPE.
_____	_____	_____	_____	2. Inspects each component of the system for damage.
_____	_____	_____	_____	3. Assess a rope rescue system for configuration.
_____	_____	_____	_____	4. Secures equipment components.
_____	_____	_____	_____	5. Inspects all rigging.
_____	_____	_____	_____	6. Performs a system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Introduction to Technical Rescue NFPA 1006-2008, Chapter 5 Performance Test Item 5-27, Place Edge Protection

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.3

This station will test the candidate's ability to place edge protection so that the rope or webbing is protected from abrasion or cutting; the rescuer is safe from falling while placing the edge protection; the edge protection is secure; and the rope or webbing is securely placed on the edge protection.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, belay devices, webbing, edge protection material/devices, and other auxiliary rope rescue equipment..

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

In this station you will be asked to place edge protection for a rope system. You may select any equipment, devices, and 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.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select & use protective devices for rope & webbing.
_____	_____	_____	_____	2. Provide personnel fall protection while working near edges.
_____	_____	_____	_____	3. Secure edge protection.
_____	_____	_____	_____	4. Secure ropes or webbing in a specific location

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_\_ **F:** \_\_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-28, Direct a Team in the Operation of a  
Mechanical Advantage System in High-Angle Raising Operation**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.6

At this station you will be asked to direct a team in the operation of a simple mechanical advantage system in a high-angle raising operation, given rescue personnel, an established rope rescue system incorporating a simple mechanical advantage system, a load to be moved, and an anchor system so the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, commands are used to direct the operation, and the potential problems are identified, communicated and managed.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, rope grab devices (prussiks, gibbs etc.) webbing, and other auxiliary rope rescue equipment.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be required to direct the operation of a simple mechanical advantage system in a high-angle raising operation. You must ensure the movement is controlled and the load can be held in place when needed. You must also identify and manage any potential safety problems. You are responsible for safety check of entire system.
2. The skill will end when you state or indicate to the evaluator that you have completed all identified steps including at least 3 resets of the system.

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	
_____	_____	_____	_____	1. Directs personnel effectively.
_____	_____	_____	_____	2. Uses operational commands.
_____	_____	_____	_____	3. Analyzes system efficiency.
_____	_____	_____	_____	4. Identifies safety concerns.
_____	_____	_____	_____	5. Performs system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_\_ **F:** \_\_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-29, Function as a Litter Tender in a Low-  
Angle Lowering or Hauling Operation**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.7

At this station you will be asked to function as a litter tender in a low-angle hauling or lowering operation

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, rope grab devices (prussiks, gibbs etc.) webbing, and other auxiliary rope rescue equipment.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)  
In this station you will be required to function as a litter tender in a low-angle hauling or lowering operation. You must ensure the movement is controlled and the load can be held in place when needed. You must also identify and manage any potential safety problems.

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	
_____	_____	_____	_____	1. Select and use rescuer harness & PPE for common environments.
_____	_____	_____	_____	2. Attach the life safety harness to the rope rescue system.
_____	_____	_____	_____	3. Maneuver across terrain.
_____	_____	_____	_____	4. Manage the litter while suspended from the rope rescue system.
_____	_____	_____	_____	5. Evaluate surroundings for potential hazards.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Introduction to Technical Rescue  
NFPA 1006-2008, Chapter 5  
Performance Test Item 5-30, Direct the Operation of a Lowering  
System in a High-Angle Environment**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objective:** NFPA 1006-2008 Chapter 5, Paragraph 5.5.10

At this station you will be required to direct a lowering operation in a high-angle environment, given rescue personnel, and established lowering system, and a load to be moved, so that the movement is controlled, the load can be held in place when needed, operating methods do not stress the system to the point of failure, rope commands are used to direct the operation, and potential problems are identified communicated, and managed.

**Personal Protective Equipment Required:** Appropriate for the environment (gloves, helmet, harness, boots etc.) Safety is paramount. Do Not Allow Unsafe Acts!!!

**Tools/Equipment/Setting:** Ropes, pulleys, carabiners, rope grab devices (prussiks, gibbs etc.) webbing, descent devices and other auxiliary rope rescue equipment.

**Instructions to Candidate:** (Remember you are an evaluator not an instructor)

1. In this station you will be required to direct a lowering operation in a high-angle environment provided an established lowering system, an anchor system, and a load. The system must be efficient, capable of holding the load in place or lowering with minimal effort. It must be correctly attached to the load and the anchor. The operation of the system may not stress the system beyond its safe working load. You are responsible for performing a check of entire system prior to operation.
2. The skill will end when you state or indicate to the evaluator that you have completed all identified steps.

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Direct personnel.
___	___	___	___	2. Use operational commands.
___	___	___	___	3. Analyze system efficiency.
___	___	___	___	4. Manage movement of the load in a high-angle environment.
___	___	___	___	5. Identifies safety concerns in a high-angle environment.
___	___	___	___	6. Perform a system safety check.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

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**Performance Test Items  
from  
NFPA Standard 1006 - 2008  
Chapter 9,  
Structural Collapse Rescue Technician**

## Structural Collapse Rescue Technician NFPA 1006 – 2008, Chapter 9 Performance Test Item 9-1 – Conduct a Size-Up

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.1 & 9.2.1

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: Mock building collapse site, clipboard, Incident Briefing ICS Form 201

Instructions to Candidate: At this station you are required to conduct a size-up of a collapsed structure, given the following incident-specific scenario. You are to complete the *Incident Briefing ICS Form 201*, given the scenario information and what you observe at the collapse site.

*"The \_\_\_\_\_ building has collapsed due to ..."*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**For JPR 9.1.1:**

1. Categorize light frame construction types.
2. Evaluate structural stability & hazards.
3. Implement resource and security protocols.

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**For JPR 9.2.1:**

4. Categorize heavy construction types.
5. Evaluate structural stability & hazards.
6. Implement resource and security protocols.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

**Structural Collapse Rescue Technician  
NFPA 1006 - 2008, Chapter 9  
Performance Test Item 9-2 – Locate Victims**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100% (2 out of 2)

**Objectives:** NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.2 & 9.2.2

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit.

**Instructions to Candidate:** At this station you are required to determine potential victim locations, given the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Use size-up information.
_____	_____	_____	_____	2. Use occupancy class information.
_____	_____	_____	_____	3. Use search devices.
_____	_____	_____	_____	4. Asses & categorize type of collapse.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_\_ **F:** \_\_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Structural Collapse Rescue Technician  
NFPA 1006 - 2008, Chapter 9  
Performance Test Item 9-3 – Develop an Incident Action Plan**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objectives:** NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.3 & 9.2.3

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** Mock building collapse site, clipboard, Incident Briefing ICS Form 201

**Instructions to Candidate:** At this station you are required to develop a collapse rescue Incident Action Plan (IAP), given the following incident-specific scenario. You are to complete the **Incident Briefing ICS Form 201**, given the scenario information and what you observe at the collapse site.

**“The \_\_\_\_\_ building has collapsed due to . . .”**

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Initial size-up information is used.
_____	_____	_____	_____	2. Incident Management System is incorporated.
_____	_____	_____	_____	3. Monitor changing conditions specific to the incident.
_____	_____	_____	_____	4. Identify potential specialized resources.
_____	_____	_____	_____	5. Determine construction & occupancy types.
_____	_____	_____	_____	6. Identify specific incident security requirements.
_____	_____	_____	_____	7. Create written documentation.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Structural Collapse Rescue Technician  
NFPA 1006 - 2008, Chapter 9  
Performance Test Item 9-4 – Implement an Incident Action Plan**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objectives:** NFPA 1006 – 2003, Chapter 9, Paragraph 9.1.4 & 9.2.4

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** Mock building collapse site and an action plan.

**Instructions to Candidate:** At this station you are required to implement a collapse rescue Incident Action Plan (IAP), given the IAP and the following incident-specific scenario.

***“The \_\_\_\_\_ building has collapsed due to . . .”***

<b>1<sup>st</sup> Attempt</b>		<b>2<sup>nd</sup> Attempt</b>		<b>Skills Checklist</b>
<b>P</b>	<b>F</b>	<b>P</b>	<b>F</b>	
_____	_____	_____	_____	1. Implement components of an incident action plan.
_____	_____	_____	_____	2. Incident Management System is established & implemented.
_____	_____	_____	_____	3. Initiate hazard mitigation objectives.
_____	_____	_____	_____	4. Specialized resources are requested.
_____	_____	_____	_____	5. Initiate rescue objectives.
_____	_____	_____	_____	6. Perimeter security measures are established.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-5 – Search Collapse Structure

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.5 & 9.2.5

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, an assignment, operational protocols, and size-up information.

Instructions to Candidate: At this station, *operating as a member of a team*, you are required to search a **(light frame construction)** – *OR* – **(heavy construction)** collapsed structure, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

*“Your specific assignment is . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Ability to implement an Incident Management System.
_____	_____	_____	_____	2. Apply search techniques.
_____	_____	_____	_____	3. Use marking systems.
_____	_____	_____	_____	4. Identify & mitigate hazards.
_____	_____	_____	_____	5. Select & use victim locating devices.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-6 – Stabilize Light-Frame Structure

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.6.

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, an assignment, operational protocols, and size-up information.

Instructions to Candidate: At this station, **operating as a member of a team**, you are required to stabilize a collapsed light-frame structure, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

*“Your specific assignment is . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select & construct shoring systems.
_____	_____	_____	_____	2. Use personal protective equipment.
_____	_____	_____	_____	3. Perform structural load calculations.
_____	_____	_____	_____	4. Determine resource needs.
_____	_____	_____	_____	5. Select & operate basic & specialized tools & equipment.
_____	_____	_____	_____	6. Implement communications & safety protocols.
_____	_____	_____	_____	7. Mitigate specific hazards associated with shoring tasks.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-7 – Stabilize Heavy Construction-Type Structure

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.2.6.

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, specialized equipment necessary to complete the task, engineering resources (if needed), an assignment, operational protocols, and size-up information.

Instructions to Candidate: At this station, **operating as a member of a team**, you are required to stabilize a collapsed heavy construction-type structure, given the Incident Action Plan and the following incident-specific scenario.

**"The \_\_\_\_\_ building has collapsed due to ..."**

**"Your specific assignment is ..."**

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select & construct shoring systems.
_____	_____	_____	_____	2. Use PPE.
_____	_____	_____	_____	3. Perform structural load calculations.
_____	_____	_____	_____	4. Determine resource needs.
_____	_____	_____	_____	5. Select & operate basic & specialized tools & equipment.
_____	_____	_____	_____	6. Implement communications & safety protocols.
_____	_____	_____	_____	7. Mitigate specific hazards associated with shoring tasks.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

**Structural Collapse Rescue Technician  
NFPA 1006 - 2008, Chapter 9  
Performance Test Item 9-8 – Implement Support Operations**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objectives:** NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.7 & 9.2.7.

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, an assignment, operational protocols, size-up information, and available resources.

**Instructions to Candidate:** At this station, you are required to implement collapse support operations, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Manage resources.
_____	_____	_____	_____	2. Set up lights.
_____	_____	_____	_____	3. Initiate environmental controls.
_____	_____	_____	_____	4. Set up rehab for rescuers.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_\_ **F:** \_\_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-9 – Release Victim From Entrapment

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.8 & 9.2.8

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, specialized equipment necessary to complete the task, engineering resources (if needed), an assignment, operational protocols, and size-up information.

Instructions to Candidate: At this station, *operating as a member of a team*, you are required to release a victim from entrapment by components of a collapsed structure, given the Incident Action Plan and the following incident-specific scenario.

*"The \_\_\_\_\_ building has collapsed due to ..."*

*"Your specific assignment is ..."*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select, use, & care for PPE.
_____	_____	_____	_____	2. Operate rescue tools & stabilization systems.
_____	_____	_____	_____	3. Recognize crush syndrome indicators.
_____	_____	_____	_____	4. Complete risk-benefit assessments for selected methods of rescue & time constraints.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-10 – Remove Victim From Collapse

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.9 & 9.2.9.

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, disentangled victim, a basic first aid kit, victim packaging resources, an assignment, operational protocols, and size-up information.

Instructions to Candidate: At this station, **operating as a member of a team**, you are required to remove a victim from a collapse incident, given the Incident Action Plan and the following incident-specific scenario.

**"The \_\_\_\_\_ building has collapsed due to ..."**

**"Your specific assignment is ..."**

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Selection, use, & care of PPE.
_____	_____	_____	_____	2. Basic prehospital care of soft-tissue injuries.
_____	_____	_____	_____	3. Fracture stabilization.
_____	_____	_____	_____	4. Airway maintenance techniques.
_____	_____	_____	_____	5. Cardiopulmonary resuscitation.
_____	_____	_____	_____	6. Selection & use of patient packaging equipment.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-11 – Lift a Heavy Load

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.10 & 9.2.10.

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: : Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, specialized equipment necessary to complete the task, engineering resources (if needed), a load to be lifted, an assignment, operational protocols, and size-up information.

Instructions to Candidate: At this station, *operating as a member of a team*, you are required to lift a heavy load, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

*“Your specific assignment is . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Evaluate & estimate the weight of the load.
_____	_____	_____	_____	2. Operate lifting tools.
_____	_____	_____	_____	3. Apply levers.
_____	_____	_____	_____	4. Apply load stabilizing systems.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-12 – Move a Heavy Load

Candidate's Name: \_\_\_\_\_

Pass: 100%

Objectives: NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.11 & 9.2.11.

Personal Protective Equipment Required: Helmet, gloves, eye protection, steel toed boots.

Tools/Equipment/Setting: : Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, specialized equipment necessary to complete the task, engineering resources (if needed), a load to be lifted, an assignment, operational protocols, and size-up information.

Instructions to Candidate: At this station, **operating as a member of a team**, you are required to move a heavy load a minimum of 15 feet, given the Incident Action Plan and the following incident-specific scenario.

**"The \_\_\_\_\_ building has collapsed due to ..."**

**"Your specific assignment is ..."**

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Evaluate & estimate the weight of the load.
_____	_____	_____	_____	2. Operate required tools.
_____	_____	_____	_____	3. Construct & use levers & inclined planes.
_____	_____	_____	_____	4. Use rigging systems.
_____	_____	_____	_____	5. Stabilize the load.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_ F: \_\_\_\_\_

Evaluator's comments if candidate fails (continue on reverse):

## Structural Collapse Rescue Technician NFPA 1006 - 2008, Chapter 9 Performance Test Item 9-13 – Breach Structural Components

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objectives:** NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.12 & 9.2.12.

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, specialized equipment necessary to complete the task, engineering resources (if needed), an assignment, operational protocols, and size-up information.

**Instructions to Candidate:** At this station, *operating as a member of a team*, you are required to breach structural components, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

*“Your specific assignment is . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select & use breaching tools.
_____	_____	_____	_____	2. Implement breaching techniques based on building construction type..
_____	_____	_____	_____	3. Use PPE.
_____	_____	_____	_____	4. Apply stabilization where required.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Structural Collapse Rescue Technician  
NFPA 1006 - 2008, Chapter 9  
Performance Test Item 9-14 – Cut through structural steel**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objectives:** NFPA 1006 – 2008, Chapter 9, Paragraph 9.2.15.

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** : Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, specialized equipment necessary to complete the task, engineering resources (if needed), an assignment, operational protocols, and size-up information.

**Instructions to Candidate:** At this station, you are required to cut structural steel, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

*“Your specific assignment is . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Assess tool needs.
___	___	___	___	2. Use cutting tools.
___	___	___	___	3. Implement necessary extinguishment techniques.
___	___	___	___	4. Mitigate hazards.
___	___	___	___	5. Stabilize heavy loads.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Structural Collapse Rescue Technician  
NFPA 1006 - 2008, Chapter 9  
Performance Test Item 9-15 – Construct cribbing systems**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objectives:** NFPA 1006 – 2008, Chapter 9, Paragraph 9.1.13 & 9.2.13.

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** : Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, various lengths of construction grade lumber, shims and wedges, specialized equipment necessary to complete the task, engineering resources (if needed), an assignment, operational protocols, and size-up information.

**Instructions to Candidate:** At this station, *operating as a member of a team*, you are required to construct cribbing systems, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

*“Your specific assignment is . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
_____	_____	_____	_____	1. Select & construct cribbing systems.
_____	_____	_____	_____	2. Evaluate the structural integrity of the system.
_____	_____	_____	_____	3. Determine stability.
_____	_____	_____	_____	4. Calculate loads.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_\_ **F:** \_\_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**

**Structural Collapse Rescue Technician  
NFPA 1006 - 2008, Chapter 9  
Performance Test Item 9-16 – Coordinate the use of heavy equipment**

**Candidate's Name:** \_\_\_\_\_

**Pass:** 100%

**Objectives:** NFPA 1006 – 2008, Chapter 9, Paragraph 9.2.16.

**Personal Protective Equipment Required:** Helmet, gloves, eye protection, steel toed boots.

**Tools/Equipment/Setting:** : Mock building collapse site, weather appropriate outerwear, additional protective gear as appropriate, structural collapse tool kit, specialized equipment and an operator necessary to complete the task, engineering resources (if needed), an assignment, operational protocols, and size-up information.

**Instructions to Candidate:** At this station, you are required to coordinate the use of heavy equipment, given the Incident Action Plan and the following incident-specific scenario.

*“The \_\_\_\_\_ building has collapsed due to . . .”*

*“Your specific assignment is . . .”*

1 <sup>st</sup> Attempt		2 <sup>nd</sup> Attempt		Skills Checklist
P	F	P	F	
___	___	___	___	1. Use hand signals.
___	___	___	___	2. Use radio equipment.
___	___	___	___	3. Recognize hazards.
___	___	___	___	4. Rescuer and operator safety protocols are followed.
___	___	___	___	5. Use PPE.

**Evaluator's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **P:** \_\_\_ **F:** \_\_\_

**Evaluator's comments if candidate fails (continue on reverse):**