

STRUCTURAL COLLAPSE TECHNICIAN SKILLS

LEVEL I



Reference Source: 2013 NFPA 1006, Technical Rescuer Professional Qualifications

TABLE OF CONTENTS

Certification Requirements Structural Collapse Rescue Level I:

Entrance Requirements	3
Physical Fitness Requirements	3
Emergency Medical Care Requirements	4

Department Training:

Written Objectives	4
Manipulative Objectives	4
Department Training Records	5

Certification Examinations:

Written	5
Manipulative Skills	6

Structural Collapse Rescue Level I Certification:

Prerequisites	7
Certification Checklist	8
Structural Collapse Level I Skill objectives	9-34

Appendix:

Training Record	35
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CERTIFICATION REQUIREMENTS

Structural Collapse Rescue Level I

Requirements

In order to certify as a Technical Rescuer Structural Collapse Level I (NFPA 1006, Chapter 9, 2013 Edition) program, a firefighter must fulfill the following requirements:

1. Complete fire department (AHJ) entrance requirements.
2. Maintain records of training.
3. Train on the required written and practical objectives.
4. Meet any other training requirements/prerequisites as defined by the Fargo Fire Department Certification Committee.

5. Pass both written and practical skills examinations administered by the Fargo Fire Department Certified Testers. Initial testing is to be completed with Pro Board Credentialed Testers.

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

Physical Fitness Requirements:

The requirements listed in NFPA 1001, Chapter 4 are:

1. Meet the minimum educational requirements established by the Fargo Fire Department or the AHJ.
2. Meet the medical requirements of NFPA 1582, *Standard on Comprehensive Occupational Medical Program for Fire Departments*.
3. Physical fitness requirements for entry-level personnel shall be developed and validated by the Fargo Fire Department or the AHJ. Physical fitness requirements shall be in compliance with applicable Equal Employment Opportunity regulations and other legal requirements.

Emergency Medical Care Requirements

The following additional training requirements **must** be met before certification at the Structural Collapse Rescue Level I will be issued by the Fargo Fire Department Certification Committee.

Emergency Medical Care – Candidates for certification at the Structural Collapse Rescue Level I must hold a current CPR certification and have received medical training. Medical training should include infection control, bleeding control and shock management.

DEPARTMENT TRAINING

Structural Collapse Rescue Level I requires a high level of skill and knowledge. The training given to and received by firefighter candidates should be of the highest quality and degree. All training received must meet the requirements of NFPA 1006, Chapter 9, 2013 Edition and the skills as approved by the Fargo Fire Department Certification Committee contained within the Fargo Standard. All training received must be documented and recorded on the training record. All testing for will be conducted following the policies and procedures of the Fargo Fire Department Certification Committee.

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

The course material should be referenced to the following textbooks to prepare the candidate to successfully pass the Structural Collapse Rescue Level I certification examination.

Written Objectives

The written objectives for Structural Collapse Rescue Level I (Chapter 9) are covered in the following textbooks:

1. NFPA 1006, Rescue Technician Professional Qualifications, 2013 Edition Chapter 9
2. FEMA National US&R Response System, Structural Collapse Technician
3. Jones and Bartlett, Brannigan's Building Construction for the Fire Service, 4th Edition

Manipulative Objectives

Each candidate must be trained and evaluated in the performance of all manipulative skills as outlined by the Fargo Fire Department in the Structural Collapse Rescue Level I objectives. Each of the manipulative skills shall be completed safely and with competence as defined below:

- **Safely** – Each manipulative skill objective must be completed safely. Actions that could injure an individual or damage equipment are unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **Competence** – Each manipulative skill objective is performed in accordance with the Fargo Fire Department Standard. This includes performing the proper steps in sequence. Competence will be measured in accordance with the Fargo Fire Department manipulative skill objectives.

Department Training Records

Each candidate shall have a training record on file with the department which indicates whether he/she has trained on all manipulative skill objectives. This record shall be signed off or initialed by a department training officer. Training records must indicate the date, instructor, and total number of hours trained for each manipulative skill objective. The training record check-off for Structural Collapse Rescue Level I is provided in Appendix A of this document.

CERTIFICATION EXAMINATIONS

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

Written Examinations

The written examination is a randomly generated **100-question** test covering the written objectives Chapter 9, Level I of the NFPA 1006 standard. A minimum score of 70% is required to pass the certification examination. Firefighters failing the first attempt of the written exam will be permitted to retest the next time test is administered. A candidate who passes the written test will have up to two years or a minimum of two offerings, to complete the manipulative skills portion of the testing.

SAMPLE WRITTEN EXAMINATION QUESTIONS:

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

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

The technical rescuer's common goal is to?

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

Manipulative Skills Examination

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

Training records are checked. If records are inadequate, corrective action must be taken before proceeding to the next step. The records must meet minimum requirements and are checked for the following:

1. Candidate has completed all training requirements for Technical Rescuer Structural Collapse Level I (Chapter 9) from the NFPA 1006 standard, 2013 Edition.
2. The training officer has signed off each manipulative skill.
3. The total number of hours trained on each manipulative skill.

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

- **Safely** – Each manipulative skill objective must be completed safely. Actions that could injure an individual or damage equipment are unacceptable. Equipment should be checked prior to skill testing or training to see that it is safe and functional.
- **Competence** – Each manipulative skill objective is performed in accordance with the Fargo Standard. This includes performing the proper steps in sequence when required. Competence will be measured in accordance with the Fargo Fire Department manipulative skill objectives.

Candidates are tested on **three (3) manipulative skills**. No prior notification of the skills being tested will be given.

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

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

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

Prerequisites for Structural Collapse Rescue Level I (Chapter 9)

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

Firefighters must be **Pro Board Certified -Technical Rescue Job Performance Requirements (JPR's)/Rope Rescue Level I** through the Fargo Fire Department Certification system. This is a single certification.

CERTIFICATION CHECKLIST

STRUCTURAL COLLAPSE RESCUE LEVEL I

ENTRANCE REQUIREMENTS:

- Each candidate has met requirements listed in NFPA 1001, Chapter 4 or those established by the authority having jurisdiction.
- Each candidate has met the additional requirements of CPR and medical training.
- Each candidate provides an application/affidavit for testing signed by the candidate and Chief/Head of the Department verifying that all pre-requisites have been completed.
- Each candidate provides a record showing that they are certified through the Fargo Fire Department system that they are **Pro Board Certified as a Technical Rescuer in Job Performance Requirements/Rope Rescue Level I**. This is a single certification.

DEPARTMENT TRAINING RECORDS:

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

ADDITIONAL TRAINING/PREREQUISITE REQUIREMENTS:

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

CERTIFICATION EXAMINATIONS:

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

CERTIFICATION:

- Certification Coordinator has reviewed records for completeness.

NFPA 1006, 9.1.1 b

Skill 1: Conduct a Size-Up of a Light Framed Collapsed Structure

Instructions to Tester- Safety is Paramount!

1. Given an incident and specific incident information, the candidate shall conduct a size-up of a collapsed structure so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an incident and specific incident information, the candidate shall conduct a size-up of a collapsed structure so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. On site information
3. Collapse site

NFPA 1006, 9.1.1 b

Skill 1: Conduct a Size-Up of a Light Framed Collapsed Structure

Skill	1 st Att	2 nd Att
1. Existing and potential conditions within the structure and the immediate periphery are evaluated		
2. Needed resources are defined		
3. Hazards are identified		
4. Construction and occupancy types are determined		
5. Collapse type is identified if possible		
6. Rescue needs are assessed		
7. Scene security perimeter is established		
8. Size-up is conducted within the scope of the incident management system		

PERFORMANCE RATING ON THIS SKILL

PASS **FAIL**

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.2 b

Skill 2: Determine Potential Victim Locations in Light Frame Construction Collapse

Instructions to Tester- Safety is Paramount!

1. Given size-up information, a structural collapse tool kit, the type of construction and occupancy, time of day and collapse pattern the candidate shall determine potential victim locations so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given size-up information, a structural collapse tool kit, the type of construction and occupancy, time of day and collapse pattern the candidate shall determine potential victim locations so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. On site information
3. Collapse site
4. Search devices

NFPA 1006, 9.1.2 b

Skill 2: Determine Potential Victim Locations in Light Frame Construction Collapse

Skill	1 st Att	2 nd Att
1. Search areas are established		
2. Search devices used appropriately		
3. Victims can be located		

PERFORMANCE RATING ON THIS SKILL PASS FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.3 b

Skill 3: Develop a Collapse Rescue Incident Action Plan

Instructions to Tester- Safety is Paramount!

1. Given size-up information and a collapsed light frame structure, the candidate shall develop a collapse rescue incident action plan so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given size-up information and a collapsed light frame structure, the candidate shall develop a collapse rescue incident action plan so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. On site information
3. Collapse site

NFPA 1006, 9.1.3 b

Skill 3: Develop a Collapse Rescue Incident Action Plan

Skill	1 st Att	2 nd Att
1. Initial size-up information is utilized		
2. An incident management system is incorporated		
3. Existing and potential conditions within the structure and immediate periphery are included		
4. Any specialized resources are identified		
5. Work perimeters are identified		
6. Collapse type/category and associated hazards are identified		
7. Construction and occupancy types are determined		
8. Incident objectives are established		
9. Scene security measures are established		
10. Plan is documented in writing		

PERFORMANCE RATING ON THIS SKILL **PASS** **FAIL**

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.4 b

Skill 4: Implement a Collapse Rescue Incident Action Plan

Instructions to Tester- Safety is Paramount!

1. Given an action plan and a light weight collapsed structure, the candidate shall implement a collapse rescue incident action plan so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an action plan and a light weight collapsed structure, the candidate shall implement a collapse rescue incident action plan so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. An action plan
3. Collapse site
4. On site information

NFPA 1006, 9.1.4 b

Skill 4: Implement a Collapse Rescue Incident Action Plan

Skill	1 st Att	2 nd Att
1. Pertinent information is used		
2. An incident management system is established and implemented		
3. Monitoring of dynamic conditions internally and externally are established		
4. Specialized resources are requested		
5. Hazards are mitigated		
6. Victim rescue and extrication techniques are consistent with collapse and construction type		
7. Perimeter security measures are established		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt

Second Attempt

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.5 b

Skill 5: Search a Light Frame Collapsed Structure

Instructions to Tester- Safety is Paramount!

1. Given personal protective equipment, a structural collapse tool kit, an assignment, operational protocols and size-up information, the candidate shall search a structure so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an action plan and a light weight collapsed structure, the candidate shall implement a collapse rescue incident action plan so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Structural collapse tool kit
3. Collapse site
4. Size-up information
5. An assignment

NFPA 1006, 9.1.5 b

Skill 5: Search a Light Frame Collapsed Structure

Skill	1 st Att	2 nd Att
1. All victim locations and potential hazards are identified , marked and reported		
2. Incident management system used		
3. Victim locating devices used during search		
4. Rescuer safety is maintained		
5. Hazards are identified and mitigated		

PERFORMANCE RATING ON THIS SKILL

PASS **FAIL**

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.6 b

Skill 6: Stabilize a Collapsed Light Frame Structure

Instructions to Tester- Safety is Paramount!

1. Given size-up information, a specific pattern of collapse, a basic structural collapse tool kit and an assignment, the candidate shall stabilize a collapsed light frame construction structure as a member of a team so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given size-up information, a specific pattern of collapse, a basic structural collapse tool kit and an assignment, the candidate shall stabilize a collapsed light frame construction structure as a member of a team so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Structural collapse tool kit
3. Collapse site
4. Size-up information

NFPA 1006, 9.1.6 b

Skill 6: Stabilize a Collapsed Light Frame Structure

Skill	1 st Att	2 nd Att
1. Strategies to effectively minimize the movement of structural components are identified and implemented (proper shoring)		
2. Hazard warning systems are established and understood by participating personnel		
3. Incident specific personal protective equipment is identified, provided and utilized		
4. Physical hazards are identified		
5. Confinement, containment and avoidance measures are discussed		
6. A rapid intervention team is established and staged		

PERFORMANCE RATING ON THIS SKILL **PASS** **FAIL**

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.7 b

Skill 7: Implement Collapse Support Operations

Instructions to Tester- Safety is Paramount!

1. Given an assignment and available resources, the candidate shall implement collapse support operations at a rescue incident so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an assignment and available resources, the candidate shall implement collapse support operations at a rescue incident so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Lighting equipment
3. Collapse site
4. Size-up information

NFPA 1006, 9.1.7 b

Skill 7: Implement Collapse Support Operations

Skill	1 st Att	2 nd Att
1. Scene lighting is adequate for the tasks to be undertaken		
2. Environmental concerns are managed		
3. Personnel rehab is established		
4. The support operations facilitate rescue operational objectives		

PERFORMANCE RATING ON THIS SKILL **PASS** **FAIL**

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.8 b

Skill 8: Release a Victim from Entrapment of a Light Frame Collapsed Structure

Instructions to Tester- Safety is Paramount!

1. Given personal protective equipment, resources for breaching, breaking, lifting, prying, shoring and /or otherwise moving or penetrating the offending structure, the candidate shall release a victim from entrapment by components of a light frame collapsed structure so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given personal protective equipment, resources for breaching, breaking, lifting, prying, shoring and /or otherwise moving or penetrating the offending structure, the candidate shall release a victim from entrapment by components of a light frame collapsed structure so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Collapse equipment
3. Collapse site
4. Size-up information
5. Victim

NFPA 1006, 9.1.8 b

Skill 8: Release a Victim from Entrapment of a Light Frame Collapsed Structure

Skill	1 st Att	2 nd Att
1. Hazards to rescue personnel and victims are minimized		
2. Considerations are given to crush syndrome		
3. Rescue tools operated properly to enhance patient survivability		
4. Techniques do not compromise the integrity of the existing structure or structural support systems		
5. Extrication times meet time constraints for medical management (golden hour)		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt

Second Attempt

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.9 b

Skill 9: Remove a Victim from a Light Frame Collapse Incident

Instructions to Tester- Safety is Paramount!

1. Given a disentangled victim, a basic first aid kit and victim packaging resources, the candidate shall remove a victim from a collapse incident so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given a disentangled victim, a basic first aid kit and victim packaging resources, the candidate shall remove a victim from a collapse incident so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. First aid equipment
3. Collapse site
4. Victim packaging resources
5. Victim

NFPA 1006, 9.1.9 b

Skill 9: Remove a Victim from a Light Frame Collapse Incident

Skill	1 st Att	2 nd Att
1. Basic life functions are supported as required		
2. Victim is evaluated for signs of crush syndrome		
3. Advanced life support is called for		
4. Methods and packaging devices selected are compatible with intended routes of transfer		
5. Extrication times meet time constraints for medical management (golden hour)		

PERFORMANCE RATING ON THIS SKILL

PASS **FAIL**

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.10 b

Skill 10: Lift a Heavy Load

Instructions to Tester- Safety is Paramount!

1. Given a structural collapse tool kit and a load to be lifted, the candidate shall lift a heavy load as a team member so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given a structural collapse tool kit and a load to be lifted, the candidate shall lift a heavy load as a team member so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Heavy load for lifting
3. Collapse site
4. Structural collapse tool kit

NFPA 1006, 9.1.10 b

Skill 10: Lift a Heavy Load

Skill	1 st Att	2 nd Att
1. Weight of load is estimated		
2. Proper equipment is chosen and load is lifted safely		
3. Control and stabilization are maintained before, during and after lift		
4. Access is gained		

PERFORMANCE RATING ON THIS SKILL PASS FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.11 b

Skill 11: Move a Heavy Load

Instructions to Tester- Safety is Paramount!

1. Given a structural collapse tool kit and a load to be moved 20 feet, the candidate shall move a heavy load as a team member so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given a structural collapse tool kit and a load to be moved 20 feet, the candidate shall move a heavy load as a team member so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Heavy load for moving
3. An assignment
4. Structural collapse tool kit

NFPA 1006, 9.1.11 b

Skill 11: Move a Heavy Load

Skill	1 st Att	2 nd Att
1. Weight of load is estimated		
2. Proper equipment is chosen and load is moved safely		
3. Control and stabilization are maintained before, during and after move		
4. Load is moved the required distance		

PERFORMANCE RATING ON THIS SKILL **PASS** **FAIL**

First Attempt ___ ___

Second Attempt ___ ___

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.12 b

Skill 12: Breach Light Frame Structural Components

Instructions to Tester- Safety is Paramount!

1. Given an assignment, personal protective equipment, various types of construction materials and a structural collapse tool kit, the candidate shall breach structural components so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an assignment, personal protective equipment, various types of construction materials and a structural collapse tool kit, the candidate shall breach structural components so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Construction material props
3. Structural collapse tool kit
4. An assignment

NFPA 1006, 9.1.12 b

Skill 12: Breach Light Frame Structural Components

Skill	1 st Att	2 nd Att
1.The opening supports the rescue objectives		
2. The necessary tools are selected		
3. Structural stability is maintained		
4. The methods utilized are safe and efficient		

PERFORMANCE RATING ON THIS SKILL PASS FAIL

First Attempt _____ _____

Second Attempt _____ _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

NFPA 1006, 9.1.13 b

Skill 13: Construct Cribbing Systems

Instructions to Tester- Safety is Paramount!

1. Given an assignment, personal protective equipment, a structural collapse tool kit, various lengths and dimensions of construction grade lumber, wedges and shims, the candidate shall construct cribbing systems so that the listed performance steps are completed.
2. Prevent or prohibit any unsafe acts.
3. Remember that you are an evaluator, not an instructor.

Instructions to Candidate

1. Given an assignment, personal protective equipment, a structural collapse tool kit, various lengths and dimensions of construction grade lumber, wedges and shims, the candidate shall construct cribbing systems so that the listed performance steps are completed.
2. The skill will end when you state or indicate to the tester that you have completed all the identified steps.
3. Contact the tester at any time with any questions you may have.

Preparation and Equipment

1. Proper PPE
2. Construction material props
3. Structural collapse tool kit
4. An assignment

NFPA 1006, 9.1.13 b
Skill 13: Construct Cribbing Systems

Skill	1st Att	2nd Att
1. Calculates the weight of the load		
2. The cribbing system safely supports the load		
3. The system is stable		
4. The assignment is completed		

PERFORMANCE RATING ON THIS SKILL

PASS

FAIL

First Attempt _____

Second Attempt _____

Candidate Signature _____

Tester Signature 1st Attempt _____

Tester Signature 2nd Attempt _____

Date _____

Appendix A

Structural Collapse Technician Training Record						
Level I						
Training Record			In House Exam			Manipulative Skill Demonstrated
Date	Inst	Hours	Date	Inst	P/F	
						1. Conduct a size-up of a light framed collapsed structure
						2. Determine potential victim locations in light frame construction collapse
						3. Develop a collapse rescue incident action plan
						4. Implement a heavy construction collapse rescue incident action plan
						5. Search a light frame collapsed structure
						6. Stabilize a collapsed light frame structure
						7. Implement collapse support operations at a rescue incident
						8. Release a victim from entrapment of a light framed collapsed structure
						9. Remove a victim from a light frame collapse incident

						10. Lift a heavy load as a team member
						11. Move a heavy load as a team member 12. Breach light frame structural components
						13. Construct cribbing systems

