

RESCUE TECHNICIAN: STRUCTURAL COLLAPSE I/II

SKILL SHEET PACKAGE

Based on *NFPA 1006: Technical Rescue Professional
Qualifications*, 2008 Edition

ALABAMA FIRE COLLEGE

OCTOBER 2010

ALABAMA FIRE COLLEGE

SKILL SHEET PACKAGE INSTRUCTIONS

Host Department _____
Course _____
Lead Instructor _____
Date of class _____

- Please check with the course monitor to ensure you have the correct progress record and skill sheets for the course being taught.
- All skill sheets must be filled out for each student and signed.
- All completed skill sheets must be returned to the proctor on the day of the test.
- Certifications will not be granted until these forms are on file at the Alabama Fire College.
- Please return this completed form to the AFC along with your skill sheets.

ALABAMA FIRE COLLEGE

Rescue Technician: Structural Collapse

Skill Evaluation/Certification Grade Sheet

All skills are pass or fail. Passing of a skill will award the candidate the points attributed to that skill. The accumulation of the skill points will be added to the written test score to arrive at the candidate's total certification test score. To receive certification, a grade of 70 is required after the accumulation of the skills and written test scores.

NFPA 1006 JPR	Skill	Points Possible	Points Awarded
Level I			
9.1.1	Conduct a size-up of a light frame collapsed structure	4.62	
9.1.2	Determine potential victim locations in light frame construction collapse incidents	4.62	
9.1.3	Develop a collapse rescue incident action plan	4.62	
9.1.4	Implement a collapse rescue incident action plan	4.62	
9.1.5	Search a light frame collapsed structure	4.62	
9.1.6	Stabilize a collapsed light frame structure as a member of a team	4.62	
9.1.7	Implement collapse support operations at a rescue incident	4.62	
9.1.8	Release a victim from entrapment by components of a light frame collapsed structure	4.62	
9.1.9	Remove a victim from a light frame collapse incident, given a disentangled victim	4.62	
9.1.10	Lift a heavy load as a team member	4.62	
9.1.11	Move a heavy load as a team member	4.62	
9.1.12	Breach light frame structural components	4.62	
9.1.13	Construct cribbing systems	4.62	
Level I Points Total		60	
Level II			
9.2.1	Conduct a size-up of a collapsed heavy construction-type structure	3.75	
9.2.2	Determine potential victim locations in a heavy construction-type incident	3.75	
9.2.3	Develop a collapse rescue incident action plan	3.75	

9.2.4	Implement a collapse rescue incident action plan	3.75	
9.2.5	Search a heavy construction–type collapsed structure	3.75	
9.2.6	Stabilize a collapsed heavy construction–type structure as a member of a team	3.75	
9.2.7	Implement collapse support operations at a rescue incident	3.75	
9.2.8	Release a victim from entrapment by components of a heavy construction–type collapsed structure	3.75	
9.2.9	Remove a victim from a heavy construction–type collapse incident	3.75	
9.2.10	Lift a heavy load as a team member	3.75	
9.2.11	Move a heavy load as a team member	3.75	
9.2.12	Breach heavy structural components	3.75	
9.2.13	Construct cribbing systems	3.75	
9.2.14	Stabilize a collapsed heavy construction–type structure as a member of a team	3.75	
9.2.15	Cut through structural steel	3.75	
9.2.16	Coordinate the use of heavy equipment	3.75	
Level II Points Total		60	

Course Location:
Course Dates:
Evaluator Printed Name:
Evaluator Signature:
Candidate Printed Name:
Candidate Signature:

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-1 JPR(s) 9.1.1

Primary Task: Conduct a size-up of a light frame collapsed structure

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an incident and specific incident information, the candidate shall conduct a size-up of a light frame collapsed structure.

INSTRUCTIONS TO THE CANDIDATE:

Conduct a size-up of a light frame collapsed structure.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
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. The need for rescue is assessed				
7. A scene security perimeter is established				
8. The size-up is conducted within the scope of the incident management system				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass ___	Fail ___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass ___	Fail ___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-2 JPR(s)9.1.2

Primary Task: Determine potential victim locations in a light frame construction collapse

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

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 in a light frame construction collapse incidents.

INSTRUCTIONS TO THE CANDIDATE:

Determine potential victim locations in a light frame construction collapse incidents.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Search areas are established				
2. Victim(s) can be located				
3. Properly uses size-up information				
4. Properly uses occupancy classification information				
5. Properly uses search devices				
6. Assesses and categorizes type of collapse				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-3 JPR(s)9.1.3

Primary Task: Develop a collapse rescue incident action plan

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given size-up information and a light frame collapsed structure, the candidate shall develop a collapse rescue incident action plan.

INSTRUCTIONS TO THE CANDIDATE:

Develop a collapse rescue incident action plan.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Size-up information is utilized				
2. An incident management system is implemented				
3. Existing and potential conditions within the structure and the immediate periphery are monitored				
4. Potential specialized resources are identified				
5. Construction and occupancy types are identified				
6. Specific incident security requirements are identified				
7. Written documentation is created				
8. Work perimeters are determined				
9. Collapse type/category and associated hazards are identified				
10. Incident objectives are established				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-4 JPR(s)9.1.4

Primary Task: Implement a collapse rescue incident action plan

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an action plan and a light frame collapsed structure, the candidate shall implement a collapse rescue incident action plan.

INSTRUCTIONS TO THE CANDIDATE:

Implement a collapse rescue incident action plan.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Pertinent information is used				
2. An incident management system is established and implemented				
3. Monitoring of dynamic conditions internally and externally is established				
4. Specialized resources are requested				
5. Hazards are mitigated				
6. Victim rescue and extraction techniques are consistent with collapse and construction type				
7. Perimeter security measures are established				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-5 JPR(s)9.1.5

Primary Task: Search a light frame collapsed structure

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given personal protective equipment, the structural collapse tool kit, an assignment, operational protocols, and size-up information, the candidate shall search a light frame collapsed structure.

INSTRUCTIONS TO THE CANDIDATE:

Search a light frame collapsed structure.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. All victim locations and potential hazards are identified, marked, and reported				
2. Protocols are followed				
3. The mode of operation can be determined				
4. Rescuer safety is maintained				
5. Proper search and rescue structural marking system is used				
6. Incident management system is implemented				
7. Proper search techniques are used				
8. Victim locating devices are properly used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-6 JPR(s)9.1.6

Primary Task: Stabilize a collapsed light frame structure as a member of a team

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

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 structure as a member of a team.

INSTRUCTIONS TO THE CANDIDATE:

Stabilize a collapsed light frame structure as a member of a team.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Strategies to effectively minimize the movement of structural components are identified and implemented				
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				
7. Shoring systems for collapses in light frame structures are selected, constructed, and associated hazards are monitored				
8. Structural load calculations are performed				
9. Resource needs are determined				
10. Basic and specialized tools and equipment are selected and operated				
11. Communications and safety protocols are implemented				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-7 JPR(s)9.1.7

Primary Task: Implement collapse support operations at a rescue incident

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an assignment and available resources, the candidate shall implement collapse support operations at a rescue incident.

INSTRUCTIONS TO THE CANDIDATE:

Implement collapse support operations at a rescue incident.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Scene lighting is adequate for the tasks to be undertaken				
2. Environmental concerns are managed				
3. Personnel rehabilitation is facilitated				
4. The support operations facilitate rescue operational objectives				
5. Resources are managed				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-8 JPR(s)9.1.8

Primary Task: Release a victim from entrapment by components of a light frame collapsed structure

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given personal protective equipment and resources for breaching, breaking, lifting, prying, shoring, and/or otherwise moving or penetrating the offending structural component, the candidate shall release a victim from entrapment by components of a light frame collapsed structure.

INSTRUCTIONS TO THE CANDIDATE:

Release a victim from entrapment by components of a light frame collapsed structure.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Hazards to rescue personnel and victims are minimized				
2. Considerations are given to crush syndrome				
3. Techniques enhance patient survivability				
4. Tasks are accomplished within projected time frames				
5. Techniques do not compromise the integrity of the existing structure or structural support systems				
6. Personal protective equipment is selected and used				
7. Rescue tools and stabilization systems are operated				
8. Risk-benefit assessments are completed for selected methods of rescue and time constraints				

Evaluator/Candidate Comments:		
Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score
		Pass___ Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score
		Pass___ Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-9 JPR(s)9.1.9

Primary Task: Remove a victim from a light frame collapse incident

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given a disentangled victim, a basic first aid kit, and victim packaging resources, the candidate shall remove a victim from a light frame collapse incident.

INSTRUCTIONS TO THE CANDIDATE:

Remove a victim from a light frame collapse incident.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Basic life functions are supported as required				
2. Victim is evaluated for signs of crush syndrome				
3. Advanced life support is called if needed				
4. Methods and packaging devices selected are compatible with intended routes of transfer				
5. Universal precautions are employed to protect personnel from bloodborne pathogens				
6. Extraction times meet time constraints for medical management				
7. Personal protective equipment is selected and used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-10 JPR(s) 9.1.10
Primary Task: Lift a heavy load as a team member

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given a structural collapse tool kit and a load to be lifted, the candidate shall lift a heavy load as a team member.

INSTRUCTIONS TO THE CANDIDATE:

Lift a heavy load as a team member.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. The load is lifted				
2. Control and stabilization are maintained before, during, and after the lift				
3. Access can be gained				
4. The weight of the load is evaluated and estimated				
5. Tools are selected according to estimated weight				
6. A lever is selected according to the estimated weight				
7. A load stabilization system is selected according to the estimated weight				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-11 JPR(s) 9.1.11

Primary Task: Move a heavy load as a team member

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given a structural collapse tool kit, the candidate shall move a heavy load as a team member.

INSTRUCTIONS TO THE CANDIDATE:

Move a heavy load as a team member.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. The load is moved the required distance to gain access				
2. Control is constantly maintained				
3. The weight of the load is evaluated and estimated				
4. Required tools are operated				
5. Levers and incline planes are constructed and used				
6. Rigging systems are used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass____	Fail____
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass____	Fail____
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-12 JPR(s) 9.1.12
Primary Task: Breach light frame structural components

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an assignment, personal protective equipment, various types of construction materials, and a structural collapse tool kit, the candidate shall breach light frame structural components.

INSTRUCTIONS TO THE CANDIDATE:

Breach light frame structural components.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
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				
5. Breaching tools are selected and used				
6. Breaching techniques are implemented based on building construction type				
7. Personal protective equipment is selected and used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass _____	Fail _____
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass _____	Fail _____
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 1-13 JPR(s) 9.1.13
Primary Task: Construct cribbing systems

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

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.

INSTRUCTIONS TO THE CANDIDATE:

Construct cribbing systems.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. The cribbing system is selected, constructed, and will safely support the load				
2. The structural integrity of the system is evaluated and is stable				
3. The load is calculated				
4. The assignment is completed				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass ___	Fail ___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass ___	Fail ___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-1 JPR(s) 9.2.1

Primary Task: Conduct a size-up of a collapsed heavy construction-type structure

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an incident and specific incident information, the candidate shall conduct a size-up of a collapsed heavy construction-type structure.

INSTRUCTIONS TO THE CANDIDATE:

Conduct a size-up of a collapsed heavy construction-type structure.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
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. The need for rescue is assessed				
7. A scene security perimeter is established				
8. The size-up is conducted within the scope of the incident management system				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass ___	Fail ___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass ___	Fail ___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-2 JPR(s)9.2.2

Primary Task: Determine potential victim locations in a heavy construction–type collapse

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

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 in a heavy construction–type collapse incident.

INSTRUCTIONS TO THE CANDIDATE:

Determine potential victim locations in a heavy construction–type collapse incident.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Search areas are established				
2. Victim(s) can be located				
3. Properly uses size-up information				
4. Properly uses occupancy classification information				
5. Properly uses search devices				
6. Assesses and categorizes type of collapse				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-3 JPR(s)9.2.3

Primary Task: Develop a collapse rescue incident action plan

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given size-up information and a collapsed heavy construction-type structure, the candidate shall develop a collapse rescue incident action plan.

INSTRUCTIONS TO THE CANDIDATE:

Develop a collapse rescue incident action plan.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Size-up information is utilized				
2. An incident management system is implemented				
3. Existing and potential conditions within the structure and the immediate periphery are monitored				
4. Potential specialized resources are identified				
5. Construction and occupancy types are identified				
6. Specific incident security requirements are identified				
7. Written documentation is created				
8. Work perimeters are determined				
9. Collapse type/category and associated hazards are identified				
10. Incident objectives are established				

Evaluator/Candidate Comments:		
Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score
		Pass____ Fail____
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score
		Pass____ Fail____
Candidate Signature:	Date:	Candidate: Print Name or Candidate #

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-4 JPR(s)9.2.4

Primary Task: Implement a collapse rescue incident action plan

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an action plan and a collapsed heavy construction-type structure, the candidate shall implement a collapse rescue incident action plan.

INSTRUCTIONS TO THE CANDIDATE:

Implement a collapse rescue incident action plan.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Pertinent information is used				
2. An incident management system is established and implemented				
3. Monitoring of dynamic conditions internally and externally is established				
4. Specialized resources are requested				
5. Hazards are mitigated				
6. Victim rescue and extraction techniques are consistent with collapse and construction type				
7. Perimeter security measures are established				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-5 JPR(s)9.2.5

Primary Task: Search a collapsed heavy construction-type structure

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given personal protective equipment, the structural collapse tool kit, an assignment, operational protocols, and size-up information, the candidate shall search a collapsed heavy construction-type structure.

INSTRUCTIONS TO THE CANDIDATE:

Search a collapsed heavy construction-type structure.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. All victim locations and potential hazards are identified, marked, and reported				
2. Protocols are followed				
3. The mode of operation can be determined				
4. Rescuer safety is maintained				
5. Proper search and rescue structural marking system is used				
6. Incident management system is implemented				
7. Proper search techniques are used				
8. Victim locating devices are properly used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-6 JPR(s)9.2.6

Primary Task: Stabilize a collapsed heavy construction–type structure as a member of a team

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given size-up information, a specific pattern of collapse, a basic structural collapse tool kit, and an assignment, the candidate shall stabilize a collapsed heavy construction–type structure as a member of a team.

INSTRUCTIONS TO THE CANDIDATE:

Stabilize a collapsed heavy construction–type structure as a member of a team.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Strategies to effectively minimize the movement of structural components are identified and implemented				
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				
7. Shoring systems for collapses in light frame structures are selected, constructed, and associated hazards are monitored				
8. Structural load calculations are performed				
9. Resource needs are determined				
10. Basic and specialized tools and equipment are selected and operated				
11. Communications and safety protocols are implemented				

Evaluator/Candidate Comments:		
Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score
		Pass ___ Fail ___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score
		Pass ___ Fail ___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-7 JPR(s)9.2.7

Primary Task: Implement collapse support operations at a rescue incident

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an assignment and available resources, the candidate shall implement collapse support operations at a rescue incident.

INSTRUCTIONS TO THE CANDIDATE:

Implement collapse support operations at a rescue incident.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Scene lighting is adequate for the tasks to be undertaken				
2. Environmental concerns are managed				
3. Personnel rehabilitation is facilitated				
4. The support operations facilitate rescue operational objectives				
5. Resources are managed				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-8 JPR(s) 9.2.8

Primary Task: Release a victim from entrapment by components of a collapsed heavy construction-type structure

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given personal protective equipment and resources for breaching, breaking, lifting, prying, shoring, and/or otherwise moving or penetrating the offending structural component, the candidate shall release a victim from entrapment by components of a collapsed heavy construction-type structure.

INSTRUCTIONS TO THE CANDIDATE:

Release a victim from entrapment by components of a collapsed heavy construction-type structure.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Hazards to rescue personnel and victims are minimized				
2. Considerations are given to crush syndrome				
3. Techniques enhance patient survivability				
4. Tasks are accomplished within projected time frames				
5. Techniques do not compromise the integrity of the existing structure or structural support systems				
6. Personal protective equipment is selected and used				
7. Rescue tools and stabilization systems are operated				
8. Risk-benefit assessments are completed for selected methods of rescue and time constraints				

Evaluator/Candidate Comments:		
Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score
		Pass___ Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score
		Pass___ Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-9 JPR(s)9.2.9

Primary Task: Remove a victim from a heavy construction–type collapse incident

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given a disentangled victim, a basic first aid kit, and victim packaging resources, the candidate shall remove a victim from a heavy construction–type collapse incident.

INSTRUCTIONS TO THE CANDIDATE:

Remove a victim from a heavy construction–type collapse incident.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Basic life functions are supported as required				
2. Victim is evaluated for signs of crush syndrome				
3. Advanced life support is called if needed				
4. Methods and packaging devices selected are compatible with intended routes of transfer				
5. Universal precautions are employed to protect personnel from bloodborne pathogens				
6. Extraction times meet time constraints for medical management				
7. Personal protective equipment is selected and used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-10 JPR(s) 9.2.10

Primary Task: Lift a heavy load as a team member

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given a structural collapse tool kit and a load to be lifted, the candidate shall lift a heavy load as a team member.

INSTRUCTIONS TO THE CANDIDATE:

Lift a heavy load as a team member.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. The load is lifted				
2. Control and stabilization are maintained before, during, and after the lift				
3. Access can be gained				
4. The weight of the load is evaluated and estimated				
5. Tools are selected according to estimated weight				
6. A lever is selected according to the estimated weight				
7. A load stabilization system is selected according to the estimated weight				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-11 JPR(s) 9.2.11

Primary Task: Move a heavy load as a team member

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given a structural collapse tool kit, the candidate shall move a heavy load as a team member.

INSTRUCTIONS TO THE CANDIDATE:

Move a heavy load as a team member.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. The load is moved the required distance to gain access				
2. Control is constantly maintained				
3. The weight of the load is evaluated and estimated				
4. Required tools are operated				
5. Levers and incline planes are constructed and used				
6. Rigging systems are used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass____	Fail____
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass____	Fail____
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-12 JPR(s) 9.2.12

Primary Task: Breach heavy frame structural components

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given an assignment, personal protective equipment, various types of construction materials, and a structural collapse tool kit, the candidate shall breach heavy frame structural components.

INSTRUCTIONS TO THE CANDIDATE:

Breach heavy frame structural components.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
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				
5. Breaching tools are selected and used				
6. Breaching techniques are implemented based on building construction type				
7. Personal protective equipment is selected and used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass _____	Fail _____
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass _____	Fail _____
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-13 JPR(s) 9.2.13
Primary Task: Construct cribbing systems

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

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.

INSTRUCTIONS TO THE CANDIDATE:

Construct cribbing systems.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. The cribbing system is selected, constructed, and will safely support the load				
2. The structural integrity of the system is evaluated and is stable				
3. The load is calculated				
4. The assignment is completed				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass ___	Fail ___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass ___	Fail ___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-14 JPR(s) 9.2.14

Primary Task: Stabilize a collapsed heavy construction-type structure as a member of a team

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given size-up information, hazard-specific personal protective equipment, an assignment, a specific pattern of collapse, a structural collapse tool kit, specialized equipment necessary to complete the task, and engineering resources if needed, the candidate shall stabilize a collapsed heavy construction-type structure as a member of a team.

INSTRUCTIONS TO THE CANDIDATE:

Stabilize a collapsed heavy construction-type structure as a member of a team.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Hazard warning systems are established and understanding by team members is verified				
2. All unstable structural components that can impact the work and egress routes are identified				
3. Alternative egress routes are established when possible				
4. Expert resource needs are determined and communicated to command				
5. Load estimates are calculated for support system requirements				
6. All shoring systems meet or exceed load-bearing demands				
7. Shoring systems are constructed and monitored continuously for integrity				
8. Specific tasks associated with shoring are mitigated				
9. A rapid intervention crew (RIC) is established and staged to aid search and rescue personnel in the event of entrapment				
10. An accountability system is established				
11. Atmospheric monitoring is ongoing				
12. Progress is communicated as required				
13. Personal protective equipment is selected and used				
14. Basic and specialized tools and equipment are selected and operated				
15. Safety protocols are implemented and followed				

Evaluator/Candidate Comments:		
Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score
		Pass ___ Fail ___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score
		Pass ___ Fail ___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-15 JPR(s) 9.2.15
Primary Task: Cut through structural steel

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given a structural collapse tool kit, personal protective equipment, and an assignment, the candidate shall cut through structural steel.

INSTRUCTIONS TO THE CANDIDATE:

Cut through structural steel.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Tools are selected and used				
2. Hazards are mitigated				
3. Heavy loads are stabilized if needed				
4. The steel is efficiently cut				
5. The victim and rescuer are protected				
6. Fire control measures are in place				
7. The objective is accomplished				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass ____	Fail ____
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass ____	Fail ____
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	

Alabama Fire College
Rescue Technician: Structural Collapse
Skill Sheet

Skill No. 2-16 JPR(s) 9.2.16

Primary Task: Coordinate the use of heavy equipment

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

Given personal protective equipment, means of communication, equipment and operator, and an assignment, the candidate shall coordinate the use of heavy equipment.

INSTRUCTIONS TO THE CANDIDATE:

Coordinate the use of heavy equipment.

REFERENCE SOURCE:

NFPA 1006, *Standard for Technical Rescuer Professional Qualifications*, 2008 Edition

Performance Steps	Test		Retest	
	Pass	Fail	Pass	Fail
Safely performs the following steps:				
1. Common communications are established with the use of hand signals and radio equipment				
2. Equipment usage supports the operational objective				
3. Hazards are recognized and avoided				
4. Rescuer and operator safety is assessed and protocols are followed				
5. Personal protective equipment is selected and used				

Evaluator/Candidate Comments:

Evaluator: Print Name/Signature:	Date:	Overall Skill Sheet Score	
		Pass___	Fail___
Re-Test Evaluator Signature:	Date:	Overall Skill Sheet Re-Test Score	
		Pass___	Fail___
Candidate Signature:	Date:	Candidate: Print Name or Candidate #	