



OFFICE OF THE STATE FIRE MARSHAL
STATEWIDE TRAINING AND EDUCATION ADVISORY COMMITTEE
DEPARTMENT OF FORESTRY AND FIRE PROTECTION

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Date: April 15, 2012

**To: Ronny J. Coleman, Chairman
c/o State Fire Training
1131 S. Street,
Sacramento, California 95811**

From: Rodney Slaughter & Don Kelley

Subject/Agenda Action Item: Rescue Systems Structural Collapse Technician (RSSCT)

Recommended Actions: None

Background Information: At the July 2011 STEAC meeting, Chief Ken Wagner moved for STEAC to approve the Rescue Systems 2 / Structural Collapse Technician (SCT) bridge course as an FSTEP course and that SFT and the developers finalize an appropriate title. This item is brought back to STEAC for an update on the status of the program.

The Rescue Systems Structural Collapse Technician course bridges the training gap between the California State Fire Training Rescue Systems 2 Advanced Rescue Skills course and the Federal Emergency Management Agency Structural Collapse Technician course. Key topics include: powder actuated tools, pneumatic shores, additional tools and techniques for breaking and breaching, cutting a tensioned cable, the "O" course, rigging, and crane operations.

Analysis/Summary of Issue: The RSSCT cadre has worked with SFT administrative staff in the implementation and institutionalization of the class into the SFT system. The new title reflects the nature and scope of the training program.

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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COURSE INFORMATION AND REQUIRED MATERIALS

- Course:** Rescue Systems Structural Collapse Technician Bridge
Hours: 24 hours
Designed For: All fire service and allied emergency response personnel.
Description: Bridges the training gap between the California State Fire Training Rescue Systems 2 Advanced Rescue Skills course and the Federal Emergency Management Agency Structural Collapse Technician course. Key topics include: powder actuated tools, pneumatic shores, additional tools and techniques for breaking and breaching, cutting a tensioned cable, the "O" course, rigging, and crane operations.
Prerequisites: Rescue Systems 2
 Confined Space Rescue Technician
 Trench Rescue
Certification: Structural Collapse Technician
Class Size: 48
Student / Instructor: Ratio: 12 / 1 with 1 Senior Instructor
Restrictions: This course can only be delivered at an approved Rescue Systems 2 site. For a 1 or 2 module course, the Senior Instructor may also serve as a Primary Instructor. For a 3 or 4 module course, the Senior Instructor is in addition to the required number of Primary Instructors.

REQUIRED STUDENT MATERIALS	EDITION	VENDOR
■ Rescue Systems Structural Collapse Technician Bridge	2012	SFT Website
REQUIRED INSTRUCTOR MATERIALS		
■ Rescue Systems Structural Collapse Technician Bridge	2012	SFT Website

VENDOR	
SFT	State Fire Training Website (http://osfm.fire.ca.gov/training/rescuesystems.php)

RESCUE SYSTEMS STRUCTURE COLLAPSE TECHNICIAN BRIDGE COURSE PLAN

RESCUE SYSTEMS

STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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INTRODUCTION AND ADMINISTRATION / SAFETY 2 Hours

TERMINAL OBJECTIVE

- The student will receive all information regarding administration and operational requirements for successful completion of this course.
- The student will understand the importance of including sound safety practices in all phases of planning and rescue operations.

ENABLING OBJECTIVES

- Receive an introduction to all instructors and support staff.
- Receive instructions on starting times and attendance requirements for successful completion of the course.
- Receive information and the necessary paperwork to complete all administrative processes required for successful completion, including:
 - Administrative paperwork.
 - Task book.
 - Course critique.
 - Process for reporting injuries.
- Receive an overview of the criteria for successful completion of the course.
- Receive an overview of the student manual.
- Be assigned to a squad for operational periods.
- Introduce themselves if applicable.
- Receive a schedule of events and rotation times, course agenda, and information regarding the location of specific events.
- Understand the importance of recognizing and mitigating safety hazards.
- Be able to perform a risk / hazard analysis for a specific incident and suggest actions to minimize risks and / or eliminate hazards.
- Understand the importance of safety risk and hazard identification.

POWDER ACTUATED TOOLS 1 Hour

TERMINAL OBJECTIVE

- The student will understand the function and capacity of powder actuated fasteners used in Urban Search and Rescue to support damaged structures.
- The student will understand how to safely operate powder actuated tools.

ENABLING OBJECTIVES

- Understand the purpose and use of powder actuated tools.
- Understand how to perform the center punch test.
- Understand proper safety techniques.
- Demonstrate the proper operation of powder actuated tools.
- Receive certification in the use of specific powder actuated tools (optional).
- Demonstrate proper safety techniques.

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RIGGING 1 Hour

TERMINAL OBJECTIVE

- The student will understand the function and capacity of rigging used to lift and move and move heavy objects.

ENABLING OBJECTIVES

- Identify different types of rigging equipment.
- Understand the purpose and use of rigging equipment.
- Understand effects of critical angles on rigging equipment.
- Demonstrate the inspection of rigging equipment.

SHORING 4 Hours

TERMINAL OBJECTIVE

- The student will understand the function and capacity of pneumatic shores used in Urban Search and Rescue to support damaged structures.
- The student will understand why and how shores are constructed.

ENABLING OBJECTIVES

- Identify the components of pneumatic shores.
- Understand the purpose and use of pneumatic shores.
- Understand the limitations of pneumatic shores.
- Understand how to construct a spot shore.
- Understand how to construct a window shore.
- Construct a vertical shore.
- Understand how to construct a door shore.
- Construct a horizontal shore.
- Construct a raker shore.
- Understand how to construct a sloped floor shore.
- Demonstrate proper safety techniques.

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BREAKING / BREACHING 4 Hours

TERMINAL OBJECTIVE

- The student will properly break and breach to gain access through concrete, steel or other structural components during rescue operations in heavy floor, heavy wall, steel and concrete structures.

ENABLING OBJECTIVES

- Use rotary hammer to breach a 2" minimum inspection hole.
 - Drill several holes.
 - Change rotary hammer bit while suspended by rope system.
- Breach concrete while suspended by a rope system.
- Construct a rope system consistent with Rescue Systems 1.
- Identify safety concerns when breaching concrete.
- Set up and operate the Stanley hydraulic power unit.
- Use the hydraulic chainsaw.
 - Demonstrate a bevel cut for a "lift out".
- Use the hydraulic circular saw.
- Use the hydraulic breakers.
- Identify safety concerns when breaching concrete.
- Drill 2" core hole in concrete.
- Use the concrete coring tool.
 - Gas and electric.
- Identify safety concerns when breaching concrete.
- Demonstrate proper safety techniques.

CUTTING / BURNING 4 Hours

TERMINAL OBJECTIVE

- The student will understand the capabilities and limitations of all types of burning equipment that can be used in USAR operations.

ENABLING OBJECTIVES

- Use the oxy/acetylene cutting torch.
- Use the oxy/gasoline cutting torch.
- Use the exothermic cutting torch.
- Demonstrate the proper technique for a piercing / plunge cut with each cutting torch.
- Demonstrate the proper technique for a line cut with each cutting torch.
- Demonstrate the proper technique for cutting a tensioned cable or wire rope.
- Cut a hole in steel for a sling attachment (optional).
- Demonstrate proper safety techniques.

RESCUE SYSTEMS

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LIFTING / MOVING 4 Hours

TERMINAL OBJECTIVE

- Size-up objects that have entrapped people and efficiently apply a variety of machines and power to safely move these objects.

ENABLING OBJECTIVES

- Use levers to lift, move, and lower a heavy object.
- Use pipes as rollers to move a heavy object.
- Use wood timbers as rails.
- Use an inclined plane.
- Use crib beds to lift and stabilize a heavy object.
- Construct a mechanical advantage system with rope and pulleys.
- Construct an "A" Frame Gantry.
- Use proper staffing and commands.
- Demonstrate proper safety techniques.

CRANES / RIGGING 4 Hours

TERMINAL OBJECTIVE

- Size-up objects that have entrapped people and efficiently apply a variety of machines and power to safely move these objects.

ENABLING OBJECTIVES

- Accurately calculate load weights.
- Find the center of gravity of different size loads and irregular shaped objects.
- Use different methods to rig wire rope slings on a load.
- Use different methods to rig synthetic slings on a load.
- Properly use shackles in rigging a load.
- Rig loads of different sizes and shapes.
- Become familiar with different types of cranes.
- Understand how to set up a crane.
- Demonstrate proper crane hand signals.
- Demonstrate proper safety techniques.

**RESCUE SYSTEMS 2 / STRUCTURE COLLAPSE TECHNICIAN BRIDGE
SITE REQUIREMENTS**

Item	Description	Introduction	Shoring	/ / / Breaking Breaching Cutting Burning	Lifting / Moving
AUDIO/VISUAL					
Computer (optional)	Pentium® II Processor or Better - Microsoft® Windows Microsoft® Office 97 or 2000 (PowerPoint 97 Or Later)16 X (Or Better) CD Rom	1			
Laser Pointer (optional)		1			
Power Point® Projector (optional)	or Large Screen TV with Computer Interface Device, Compatible with Computer Format	1			
Screens (optional)		1			
White Board With Markers (optional)		1			
CONSUMABLES					
Acetylene	For cutting torch			1	
Anchor, Concrete Wedge	½" x 7"				1
Duplex Nails	8d		10 lbs		
Duplex Nails	16d		10 lbs		
Gasoline	In 5 gallon safety can with funnel		1	1	
Gasoline, Pre-mix	In safety can			1	
Hearing Protection	Foam insert		13	13	
Lumber	2" x 6" x 10' (may be replaced by 2" x 8" x 10')		6		
Lumber	2" x 6" x 14' (may be replaced by 2" x 8" x 14')		2		
Lumber	4" x 4" x 6'		4		
Lumber (optional)	4" x 4" x 10'		1		
Lumber marker	Crayon Or Pencil		12		
Oil			1	1	
Oxygen	For cutting torches			1	
Powder actuated tool (fasteners)	2½" HD with washer		3		
Powder actuated tool (fasteners)	3¼" HD with washer		3		
Powder actuated tool (10 shot load strip)	Medium		1		
Powder actuated tool (10 shot load strip)	Heavy		1		
NON-CONSUMABLES					
Cribbing	2" x 4" x 9"				25
Cribbing	2" x 4" x 18" minimum				24
Cribbing	4" x 4" x 9"				25
Cribbing	4" x 4" x 18" minimum				120
Cutting Table	Built to USAR specifications		1		
(1) First Aid Kit	Centrally located				
(1) Fire Extinguisher	Water (centrally located)				
(1) Fire Extinguisher	Dry Chemical (centrally located)				
Lumber	4" x 4" x 6'				2
Lumber	4' x 4" x 14'				16
Lumber (optional)	6" x 6" x 10'		1		

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**RESCUE SYSTEMS 2 / STRUCTURE COLLAPSE TECHNICIAN BRIDGE
SITE REQUIREMENTS**

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Item	Description	Introduction	Shoring	Breaking Breaching Cutting Burning	Lifting / Moving
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	(may be replaced by 8" x 8" x 10')			/ / /	
Lumber	6" x 6" x 14'				2
Pipe, Steel	1/2" x 6' minimum				6
Safety Glasses			13	13	
Shims (optional)	2" x 4" x 12"		10		
Wedge	4" x 4" x 18" minimum				20
TOOLS					
Carpenter Belt			10		
Chain	3/8" x 10', grade 8, with Clevis, slip hooks, and latches				2
Chain	3/8" x 20', grade 8, with Clevis, slip hooks, and latches				2
Circular Saw Kit - 7¼"	Spare carbide tip - blade replacement wrench		1		
Circular saw kit - 10¼" (Beam saw)	40 tooth spare carbide tip - blade replacement wrench		1		
Come-A-Long	3 ton minimum				1
Coring Tool, Electric	With water supply, hose, and adapters			1	
Coring Tool, Gas	With water supply, hose, and adapters			1	
Coring Tool Bit	2" with wrench			2	
Crane	14 ton minimum				1
Crow Bar	3'				2
Cutting Torch, Exothermic	With accessories, wrench, hose, cable, regulator, and striker			1	
Cutting Torch, Exothermic Rods				25	
Cutting Torch, Oxy/Acetylene	With accessories, wrench, hoses, regulator, torch, tips, rosebud, and striker			1	
Cutting Torch, Oxy/Gasoline	With accessories, wrench, hoses, torch, tips, and striker			1	
Extension cord with adapters	50' - 12/3 - 20 amp		1	1	
Fork Lift or Front Loader	(1) On site, 15,000 lbs. minimum				
Framing hammer	16 oz minimum		10		
Generator, portable or 110 v power supply	5 kw minimum		1	1	
Harness	Class 3			2	
Pickets			10		
Powder actuated tool	Ramset SA270		1		
Pneumatic shore kit	Air supply, regulator, hose		1		
Pneumatic Horizontal Shore components	(2) Strut or Strut and Extension (4) Rigid Base, Swivel Base, Angle Base, or Channel Base (any combination) (2) Nailing Pads (optional)		1		
Pneumatic Raker Shore components	(4) Strut or Strut and Extension (4) Raker Rail (2) Splice Plate (4) Rail Latch Base (2) Raker Junction		1		

**RESCUE SYSTEMS 2 / STRUCTURE COLLAPSE TECHNICIAN BRIDGE
SITE REQUIREMENTS**

Item	Description	Introduction	Shoring	/ / / Breaking Breaching Cutting Burning	Lifting / Moving
	DRAFT				
	(2) Hinged Base Plate (2) Angle Base (4) Raker Brace				
Pneumatic Sloped Floor Shore components	(2) Strut or Strut and Extension (4) Rigid Base, Swivel Base, Angle Base, or Channel Base (any combination) (2) Sole Plate (earth surface only) (1) Raker Rail (hard surface only) (2) Rail Latch Base (hard surface only) (2) Angle Base (hard surface only)		1		
Pneumatic Vertical Shore components	(2) Strut or Strut and Extension (4) Rigid Base, Swivel Base, Angle Base, or Channel Base (any combination)		1		
Pry Bar	60"				4
Rope Kit, Gallows	(1) 1/2" lifeline, 150' minimum (1) Load Releasing Device (6) Carabiners (3) Prusiks (1) Pulley (1) Descent Control Device			2	
Rope Kit, "O" Course	(1) 1/2" rope, 60' minimum (3) 1/2" rope, 150' minimum (1) Pulleys and Carabiners for a 4:1 mechanical advantage system (1) Pulleys and Carabiners for a 5:1 mechanical advantage system				1
Rotary Hammer	1 1/2" electric			1	
Rotary Hammer Bit	1/2" or 3/4" diamond / carbide tipped			1	
Rotary Hammer Bit	Chisel or Moil / Bull point			1	
Shackle	Screw Pin, 1-1/4", 12 ton				2
Shackle	Screw Pin, 5/8", 3-1/4 ton				2
Shackle	Screw Pin, For flat synthetic sling				2
Sledge Hammer			1		
Sling	Polyester, 20' endless loop				2
Sling	Polyester, 10' endless loop				2
Sling	Synthetic, 3" x 6' Flat Eye				2
Sling	Wire Rope, 7/16" x 8'				2
Speed square			10		
Stanley Breaker	45 lb.			1	
Stanley Breaker	90 lb.			1	
Stanley Breaker Bits	Chisel point			1	
Stanley Breaker Bits	Moil point			1	
Stanley Concrete Chain Saw	With extra chain and wrench			1	
Stanley Concrete Cut-Off Saw	With arbor and wrench			1	
Stanley Concrete Cut-Off Saw Cutting Wheel	Abrasive			1	

**RESCUE SYSTEMS 2 / STRUCTURE COLLAPSE TECHNICIAN BRIDGE
SITE REQUIREMENTS**

Item	Description	Introduction	Shoring	/ / / Breaking Breaching Cutting Burning	Lifting / Moving
Stanley Concrete Cut-Off Saw Cutting Blade	Diamond tipped			1	
Stanley Hydraulic Power Unit	With water supply and pump able to supply the appropriate gpm, hoses, and adapters			1	
Swivel Hoist Ring	½" Steel				1
Tape measure	25'		10		
Tensioning Device, Cable	Come-A-Long or other cable tensioner			1	
Turnbuckle	12" Jaw to Jaw Take Up, 10,000 lb. cap.				1
PROPS					
Concrete (block)	(Demonstration only: 1 square foot) (Certification: 3 square feet)		1		
Concrete (poured)	3" minimum thickness (Demonstration only: 1 square foot) (Certification: 3 square feet)		1		
Concrete (poured)	6" minimum thickness 1 square foot per student minimum			2	
Concrete (poured)	6" minimum thickness 4 square feet per student minimum			1	
Concrete Barrier	30" high minimum				2
Concrete Cube	3' x 3' x 3'				2
Concrete Slab	5' x 8' x 6" minimum				4
Concrete, Solid Cylinder	4' x 8' minimum				1
Steel	"I" Beam (1 foot per student) 1/4" Plate minimum (1 square foot per student)			1	
Steel "I" Beam	(Demonstration only: 1 foot) (Certification: 3 feet)		1		
Wire Rope or Cable	1/2" minimum diameter (1 foot per student)			1	

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

INSTRUCTOR LEVELS AND QUALIFICATIONS

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INSTRUCTOR LEVELS

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE PRIMARY INSTRUCTOR TRAINEE

- The Rescue Systems Structural Collapse Technician Bridge Primary Instructor Trainee is the entry level for becoming a Primary Instructor for the Rescue Systems Structural Collapse Technician Bridge course and may apply to become a registered Primary Instructor once the educational, course work, and experience criteria have been met.
- Under direct supervision of a registered Rescue Systems Structural Collapse Technician Bridge Primary or Senior Instructor, the Primary Instructor Trainee will:
 - Support the logistics of the module(s) being trained in.
 - May instruct the entire module(s) being trained in, under the direct supervision of a registered Primary or Senior Rescue Systems Structural Collapse Technician Bridge Instructor.
 - Satisfactorily complete and have signed by a Rescue Systems Structural Collapse Technician Bridge Primary or Senior Instructor, the Primary Instructor Trainee Task Book for at least one module within two (2) years of initiation.

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE PRIMARY INSTRUCTOR

- The Rescue Systems Structural Collapse Technician Bridge Primary Instructor is qualified to teach one or more of the modules in a Rescue Systems Structural Collapse Technician Bridge course.
- The Rescue Systems Structural Collapse Technician Bridge Primary Instructor is responsible for coordinating and monitoring all safety aspects of the module(s) of instruction in addition to supervising and evaluating any Instructor Trainee(s).

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE SENIOR INSTRUCTOR TRAINEE

- The Rescue Systems Structural Collapse Technician Bridge Senior Instructor Trainee is the entry level for becoming a Rescue Systems Structural Collapse Technician Bridge Senior Instructor and may apply to become a registered Senior Instructor once the requirements have been met.
- Satisfactorily complete and have signed by a Rescue Systems Structural Collapse Technician Bridge Senior Instructor, the Senior Instructor Trainee Task Book within two (2) years of initiation.

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE SENIOR INSTRUCTOR

- The Rescue Systems Structural Collapse Technician Bridge Senior Instructor is qualified to teach all of the modules in a Rescue Systems Structural Collapse Technician Bridge course.
- A Rescue Systems Structural Collapse Technician Bridge Senior Instructor is required for any delivery of a Rescue Systems Structural Collapse Technician Bridge course and is responsible for coordinating and monitoring all safety aspects of the course in addition to supervising and evaluating any Primary Instructor(s) and Instructor Trainee(s).
- The Rescue Systems Structural Collapse Technician Bridge Senior Instructor initiates a class from start to finish, maintains records, and forwards fees and appropriate class documents to SFT.
- A Rescue Systems Structural Collapse Technician Bridge Senior Instructor can also conduct site inspections and make recommendations for approval as an agent of SFT.

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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INSTRUCTOR QUALIFICATIONS

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE PRIMARY INSTRUCTOR TRAINEE

■ COURSE WORK

- Have attended and passed a Rescue Systems 1 course.
- Have attended and passed a Rescue Systems 2 course.
- Have attended and passed a Rescue Systems Structural Collapse Technician Bridge course.
- Have attended and passed a Structural Collapse Technician course (will satisfy the RS1, RS2, and RS SCT Bridge requirement).

■ INSTRUCTOR REQUIREMENTS [one (1) of the following five (5) options]:

- Have attended and passed the Level 1 Instructor courses through SFT.
 - ◆ Training Instructor 1A, 1B, and 1C.
- Have a valid community college teaching credential.
- Completed the UC/CSU 60-hour Techniques of Teaching course.
- Completed the NFA's Fire Service Instructional Methodology course.
- Completed four semester units of upper division credit in educational materials, methods, and curriculum development.

■ TEACHING EXPERIENCE

- None.

■ RANK AND EXPERIENCE (Performing in an "acting" capacity does not qualify.)

- Held the rank of fire fighter for a minimum of three (3) years within a California fire department performing rescue duties.

■ RESPONSIBILITIES

- Under direct supervision of a registered Rescue Systems Structural Collapse Technician Bridge Primary or Senior Instructor:
 - ◆ Support the logistics of the module(s) being trained in.
 - ◆ Teach 100% of the module(s) being trained in.
 - A Rescue Systems Structural Collapse Technician Bridge Primary or Senior Instructor must sign off at least one (1) module in your Instructor Trainee Task Book within two (2) years of initiating the task book.

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE PRIMARY INSTRUCTOR

■ COURSE WORK

- Have attended and passed a Rescue Systems 1 course.
- Have attended and passed a Rescue Systems 2 course.
- Have attended and passed a Rescue Systems Structural Collapse Technician Bridge course.
- Have attended and passed a Structural Collapse Technician course (will satisfy the RS1, RS2, and RS SCT Bridge requirement).
- Have attended and passed I-200: Basic ICS.

■ TASK BOOK

- Completed the Instructor Trainee Task Book for each module seeking registration.
 - ◆ Signed off by a Rescue Systems Structural Collapse Technician Bridge Primary or Senior Instructor within two (2) years of initiating the task book.

■ INSTRUCTOR REQUIREMENTS (all of the following):

- Regional Instructor Orientation.
 - ◆ Have attended and passed the SFT Regional Instructor Orientation or be a currently registered SFT instructor in good standing who has previously attended a Regional Instructor Orientation.
 - Prospective instructors shall satisfy all instructor requirements and become registered as an instructor within one (1) year of attending the Regional Instructor Orientation.
- Ethical Leadership in the Classroom.
 - ◆ Have attended and passed the SFT Ethical Leadership in the Classroom course and signed the Instructor Code of Ethics/Conduct.
- Instructor Training [one (1) of the following five (5) options]:
 - ◆ Have attended and passed Fire Instructor 1A, 1B, and 1C.
 - ◆ Have a valid community college teaching credential.
 - ◆ Completed the UC/CSU 60-hour Techniques of Teaching course.
 - ◆ Completed the NFA's Fire Service Instructional Methodology course.
 - ◆ Completed four semester units of upper division credit in educational materials, methods, and curriculum development.

■ TEACHING EXPERIENCE

- Taught a minimum of 80 hours within a fire service related program.

■ RANK AND EXPERIENCE (Performing in an "acting" capacity does not qualify.)

- Held the rank of fire fighter for a minimum of three (3) years within a California fire department performing rescue duties.

RESCUE SYSTEMS

STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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REGISTRATION

■ APPLICATION

- Submit a complete application package for review that includes all of the following:
 - ◆ A current instructor application signed by the applicant (available online).
 - ◆ A current resume of education, position/rank, and experience.
 - ◆ A copy of your Regional Instructor Orientation certificate or proof of current SFT instructor registration.
 - ◆ Copies of your SFT score letter *or* completion certificate for each course.
 - ◆ Copy of your Instructor Trainee Task Book for each module seeking registration signed off by a Rescue Systems Structural Collapse Technician Bridge Primary or Senior Instructor within two (2) years of initiating the task Book.
 - ◆ Copies of your SFT Fire Instructor 1A, 1B, and 1C certificates or qualifying equivalents.
 - ◆ A current, original letter written on department letterhead and signed by the Fire Chief, College Administrator, or his/her authorized representative, describing your specific background as it relates to your teaching experience.
 - ◆ A current, original letter written on department letterhead and signed by the Fire Chief, or his/her authorized representative, describing your specific background as it relates to the rank and experience requirement.

RESCUE SYSTEMS

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RESPONSIBILITIES

■ ADMINISTRATION

- Ensure all administrative requirements are completed in accordance with printed guidelines, including, but not limited to:
 - ◆ Qualifying each Assistant Instructor, Manipulative Skills Evaluators, and Guest Lecturers.

■ INSTRUCTOR CODE OF ETHICS/CONDUCT

- Sign SFT's Instructor Code of Ethics/Conduct and comply with its terms and conditions

■ COURSE

- Teach the current curriculum as adopted by SFT.
- Ensure all objectives of the course curriculum are met.
- Ensure the maximum student limit is not exceeded for the module.
- Ensure the safety of all students and adjunct instructors.
 - ◆ Coordinating and monitoring all safety issues during the delivery of the module.
- Teach 100% of a module or directly supervise an Instructor Trainee who is teaching the module.
- Instructor Trainee(s), when present.
 - ◆ Directly supervise Instructor Trainee(s).
 - ◆ Evaluate Instructor Trainee(s).
 - Sign-off on the Instructor Trainee Task Book(s) as required.

■ RECORD KEEPING

- Daily attendance records.
- Student progress chart.
- Student assignment records.
- Documentation verifying the qualifications for each Assistant Instructor, Skills Evaluator, and Guest Lecturer.
- Calendar of events identifying the topics taught by the Assistant Instructor and/or Guest Lecturer.

■ SUPERVISION

- Ensure that the student/instructor ratio is maintained.
- Supervise the Assistant Instructor's presentation of the course.
- Supervise the Manipulative Skills Evaluator's assessment of any skills exams.
- Directly supervise the Guest Lecturer.

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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MAINTAINING PRIMARY INSTRUCTOR STATUS

- Abide by all published procedures of SFT, including the Instructor Code of Ethics/Conduct.
- Be the Primary Instructor for at least two (2) SFT Rescue Systems Structural Collapse Technician Bridge courses every four (4) years.
- Submit any change of address or phone number.
 - Department.
 - Home.
 - Cell.
 - Email.
- Attend an update course delivered by SFT when required.
- Primary Instructor status may be suspended or revoked if one or more maintenance requirements are not met.

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE SENIOR INSTRUCTOR TRAINEE

- **COURSE WORK**
 - No additional course work required.
- **INSTRUCTOR REQUIREMENTS**
 - Currently registered as a State Fire Training Rescue Systems Structural Collapse Technician Bridge Primary Instructor in good standing.
 - Qualified to teach all modules of a Rescue Systems Structural Collapse Technician course.
- **TEACHING EXPERIENCE**
 - No additional experience required.
- **RANK AND EXPERIENCE**
 - No additional experience required.

RESCUE SYSTEMS

STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

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RESPONSIBILITIES

■ ADMINISTRATION

- Ensure all administrative requirements are completed in accordance with printed guidelines, including, but not limited to:
 - ◆ Submitting a "Request for Course Scheduling."
 - ◆ Qualifying each Assistant Instructor, Manipulative Skills Evaluators, and Guest Lecturers.
 - ◆ Returning, within (15) days of course completion, all required student and course materials.

■ COURSE

- Teach the current curriculum as adopted by SFT.
- Ensure all objectives of the course curriculum are met.
- Ensure the maximum student limit is not exceeded for the class.
- Ensure the safety of all students and adjunct instructors.
 - ◆ Coordinating and monitoring all safety issues during the delivery of the course.

■ Senior Instructor Trainee Task Book

- Complete the Senior Instructor Trainee Task Book within (2) two years of initiation.

■ RECORD KEEPING

- Daily attendance records.
- Student progress chart.
- Student assignment records.
- Documentation verifying the qualifications for each Assistant Instructor, Skills Evaluator, and Guest Lecturer.
- Calendar of events identifying the topics taught by the Assistant Instructor and/or Guest Lecturer.

■ SUPERVISION

- Ensure that the student/instructor ratio is maintained.
- Supervise the Primary Instructor's presentation of the course.
- Supervise the Manipulative Skills Evaluator's assessment of any skills exams.
- Directly supervise the Guest Lecturer by attending and monitoring the presentation.

RESCUE SYSTEMS

STRUCTURAL COLLAPSE TECHNICIAN BRIDGE

DRAFT

RESCUE SYSTEMS STRUCTURAL COLLAPSE TECHNICIAN BRIDGE SENIOR INSTRUCTOR

A Rescue Systems Structural Collapse Technician Bridge Senior Instructor is required to initiate a Rescue System Structural Collapse Technician Bridge class.

QUALIFICATIONS

■ INSTRUCTOR REGISTRATION

- Be a currently registered Rescue Systems Structural Collapse Technician Bridge Primary Instructor in good standing for all modules.

■ COURSE WORK

- No additional requirements.

■ TASK BOOK

- Copy of your completed Primary Instructor/Senior Instructor Trainee Task Book signed off by a Rescue Systems Structural Collapse Technician Bridge Senior Instructor within two (2) years of initiating the task book.
- The candidate must obtain a letter from at least one Rescue Systems Structural Collapse Technician Bridge Senior Instructor verifying competency in requesting, administering and providing logistical support in at least one course.

■ INSTRUCTOR REQUIREMENTS

- No additional requirements.

■ TEACHING EXPERIENCE

- Taught one (1) module as a Rescue Systems Structural Collapse Technician Bridge Primary Instructor in at least three (3) courses within the last three (3) years.

■ RANK AND EXPERIENCE

- No additional requirements.

REGISTRATION

■ APPLICATION

- Submit a complete application package for review that includes all of the following:
 - ◆ A current instructor application signed by the applicant (available online).
 - ◆ A current resume of education, position/rank, and experience.
 - ◆ Proof of current SFT instructor registration.
 - ◆ A copy of your SFT Regional Instructor Orientation course certificate (if required).
 - ◆ A current, original letter on department letterhead and signed by the Senior Instructor verifying your teaching experience for one (1) module as a Rescue Systems Structural Collapse Technician Bridge Primary Instructor in at least three (3) courses within the last three (3) years.
 - This may require submitting up to three (3) separate letters.

RESCUE SYSTEMS

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DRAFT

ADDITIONAL RESPONSIBILITIES

- In addition to the responsibilities common to all Primary Instructors, Rescue System Structural Collapse Technician Bridge Senior Instructors are also required to comply with the following:
 - Directly supervise Primary Instructor(s) for the entire course.
 - Evaluate Primary Instructor(s) seeking Senior Instructor status when requested.
 - Directly supervise and evaluate Instructor Trainee(s) if present.
 - Develop site and props.
 - Inspect sites when requested.
 - Ensure the safety of all participants and instructors.

MAINTAINING SENIOR INSTRUCTOR STATUS

- Abide by all published procedures of SFT, including the Instructor Code of Ethics/Conduct.
- Be the Senior Instructor for at least two (2) SFT Rescue Systems Structural Collapse Technician Bridge courses every four (4) years.
- Submit any change of address or phone number.
 - Department.
 - Home.
 - Cell.
 - Email.
- Attend an update course delivered by SFT when required.
- Senior Instructor status may be suspended or revoked if one or more maintenance requirements are not met.

NOTE: FEMA does not recognize SFT instructors. For any course to be recognized by FEMA, only current FEMA credentialed Structural Collapse Technician instructors shall teach this course.