



# Trench Rescue Technician (2021) Interim Procedures

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Issued: November 2022

## Procedure Changes

<b>Edition:</b>	May 2020 edition of the State Fire Training Procedures Manual
<b>Effective Date:</b>	November 1, 2022
<b>Section Changes:</b>	Modify and update the following sections: <ul style="list-style-type: none"><li>• 6.7.9: Fire Fighting and Rescue Instructor<ul style="list-style-type: none"><li>○ 6.7.9.1 and 6.7.9.5</li></ul></li><li>• 6.7.22: Trench Rescue Technician (TRT) – Instructor Levels (all)</li><li>• 6.7.23: Trench Rescue Technician (TRT) – Primary Instructor (all)</li></ul> Delete the following sections: <ul style="list-style-type: none"><li>• 6.7.24: Trench Rescue Technician (TRT) – Senior Instructor (all)</li></ul>
<b>Justification:</b>	SFT updated the Trench Rescue Technician curriculum creating alignment with National Fire Protection Association (NFPA) 1006: Standard for Technical Rescue Personnel Professional Qualifications, 2021 edition. Additionally, this update provides a directive for Instructor qualification that creates a single Registered Instructor level thereby repealing the existing Senior Instructor level, which follows the instructor requirements of other live fire curricula in the State Fire Training catalog.
<b>SFT Contact:</b>	SFT Staff assigned to Instructor Registration.
<b>Note:</b>	<i>All new text appears in <u>underline</u>. All deleted text appears in <del>strikeout</del></i>

## 6.7.9: FIRE FIGHTING AND RESCUE INSTRUCTOR

### 6.7.9.1: Eligible Courses

**Table 6.7.9.1: Fire Fighting and Rescue Instructor Eligible Courses**

CFSTES Courses	FSTEP Courses
<ul style="list-style-type: none"> <li>• None</li> </ul>	<ul style="list-style-type: none"> <li>• Command and Control of the RIC Deployment</li> <li>• Confined Space Rescue Awareness</li> <li>• Emergency Response to Alternative Fuels</li> <li>• Fire Fighter Survival</li> <li>• Fireline Safety for the Hired Vendor</li> <li>• Large Animal Rescue Operational</li> <li>• Low Angle Rope Rescue Operational (LARRO)</li> <li>• Open Water Rescuer - Basic</li> <li>• Personal Watercraft Operations</li> <li>• Rapid Intervention Crew (RIC) Operations</li> <li>• Rescue Boat Operations</li> <li>• River and Flood Water Rescue</li> <li>• Tire Fire Prevention and Suppression</li> <li>• Trench Rescue <u>Technician</u></li> <li>• Vehicle Extrication</li> </ul>

### 6.7.9.2: General Qualifications

- A. A Registered Primary Instructor for a Fire Service Training and Education Program (FSTEP) Fire Fighting and Rescue course shall meet the following qualifications required of all State Fire Training (SFT) Registered Primary Instructors.
1. See **6.2.1: Qualifications**.

### 6.7.9.3: Course Work

- A. Attending and passing SFT’s Confined Space Rescue Technician course meets the requirement for attending and passing Confined Space Rescue Awareness.
- B. Registered Low Angle Rope Rescue Operational Instructors must have attended and passed ICS-200: Basic ICS.
- C. Attending and passing SFT’s Auto Extrication (1996) course meets the requirement for attending and passing Vehicle Extrication.

**6.7.9.4: Teaching Experience**

- A. In order to teach Command and Control of the RIC Deployment, the Registered Instructor must have previously assisted another Registered Instructor in teaching the course at least once.
1. The Registered Instructor applicant shall submit to SFT a letter from a Registered Instructor verifying this requirement.

**6.7.9.5: Professional Experience**

- A. A Registered Primary Instructor for an FSTEP Fire Fighting and Rescue course shall meet the professional experience qualifications listed below.
1. Performing in an “acting” capacity does not qualify.

**Table 6.7.9.5: Fire Fighting and Rescue Instructor Professional Experience**

FSTEP Course	Experience
<ul style="list-style-type: none"> <li>• Confined Space Rescue Awareness</li> <li>• Low Angle Rope Rescue Operational</li> <li>• Personal Watercraft Operations</li> <li>• Rescue Boat Operations</li> <li>• River and Flood Water Rescue</li> <li>• <del>Trench Rescue</del></li> </ul>	<ul style="list-style-type: none"> <li>• Held the rank of Fire Fighter and/or performed rescue duties within a recognized fire agency in California for a minimum of two years</li> </ul>
<ul style="list-style-type: none"> <li>• <u>Trench Rescue Technician</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Have a minimum of three (3) years’ full-time or six (6) years’ part-time/volunteer experience as a fire fighter performing rescue duties within a recognized fire agency in California</u></li> </ul>
<ul style="list-style-type: none"> <li>• Emergency Response to Alternative Fuels</li> <li>• Fireline Safety for the Hired Vendor</li> <li>• Large Animal Rescue Operational</li> <li>• Open Water Rescuer - Basic</li> <li>• Tire Fire Prevention and Suppression</li> </ul>	<ul style="list-style-type: none"> <li>• Held the rank of Fire Fighter and/or performing suppression/rescue duties within a recognized fire agency in California for a minimum of two years</li> </ul>
<ul style="list-style-type: none"> <li>• Command and Control of RIC Deployment</li> </ul>	<p>One of the following:</p> <ul style="list-style-type: none"> <li>• Held the rank of Suppression Officer within a recognized fire agency in California for a minimum of three years</li> <li>• Worked as a volunteer Suppression Officer or paid Call Officer within a recognized fire agency in California for a minimum of five years</li> </ul>

FSTEP Course	Experience
<ul style="list-style-type: none"><li>• Rapid Intervention Crew (RIC) Operations</li><li>• Fire Fighter Survival</li></ul>	<ul style="list-style-type: none"><li>• Have five years suppression/rescue experience, of which two years must be while holding the rank of Fire Fighter performing suppression/rescue duties within a recognized fire agency in California</li></ul>
<ul style="list-style-type: none"><li>• Vehicle Extrication</li></ul>	<ul style="list-style-type: none"><li>• Have three year's suppression/rescue experience performing suppression/rescue duties within a recognized fire agency in California</li></ul>

### 6.7.9.6: Task Book

#### A. Fire Fighter Survival

1. An Instructor applicant for Fire Fighter Survival shall complete the appropriate instructor trainee task book.
2. A Registered Fire Fighter Survival Primary Instructor must sign off on the applicant's task book within two years of its initiation.

#### B. Low Angle Rope Rescue Operational

1. An Instructor applicant for Low Angle Rope Rescue Operational (LARRO) shall complete the appropriate instructor trainee task book.
2. A Registered LARRO Primary Instructor must sign off on the applicant's task book within two years of its initiation.

#### C. Rapid Intervention Crew Operations

1. An Instructor applicant for Rapid Intervention Crew Operations shall complete the appropriate instructor trainee task book.
2. A Registered Rapid Intervention Crew Operations Primary Instructor must sign off on the applicant's task book within two years of its initiation.

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## 6.7.22: TRENCH RESCUE TECHNICIAN (TRT) – INSTRUCTOR LEVELS

### 6.7.22.1: ~~Primary~~ Instructor Trainee

- A. ~~Primary~~ Instructor Trainee is the entry level for becoming a Registered TRT ~~Primary~~ Instructor.
- B. An individual is considered a ~~Primary~~ Instructor Trainee while ~~he or she~~ they completes the TRT ~~Primary~~ Instructor Trainee Task Book.
  1. An Instructor Trainee candidate must consistently work to complete all requirements documented in Instructor Task Book since its initiation date.

- Significant gaps between JPR sign offs may result in disqualification from teaching Trench Rescue Technician as a registered instructor or a candidate must initiate a new task book using State Fire Training's current published version. Trainees have two (2) years after beginning the tTask bBook to complete its requirements.
2. The applicant must submit the Instructor tTask bBook for instructor registration within one year (1) of completing it.
- C. Under direct supervision of a Registered TRT ~~Senior~~ Instructor, the Primary Instructor Trainee shall:
1. Assist in classroom and field exercise setup
  2. Support the logistics of the component(s) he or she is they are training to teach
  - ~~3. Instruct no more than 50% of a single course delivery~~
  4. Carry out all other related tasks as assigned by the Registered ~~Senior~~ Instructor
  5. Satisfactorily complete the Primary Instructor Trainee Task Book
- D. State Fire Training (SFT) does not register TRT Primary Instructor Trainees.

#### **6.7.22.2: Primary Registered Instructor**

- A. A Registered TRT Primary Instructor is qualified to deliver the cognitive (lecture) portions of the class to up to 24 students and teach the psychomotor (application) portions to one (1) squad (up to ~~12~~ eight (8) students) in a TRT course with one or two squads.
1. Any instructor counted toward student ratios must be an SFT Registered TRT Instructor.
- B. In addition to the responsibilities required of all SFT Registered Primary Instructors (See **6.2.7: Responsibilities.**), Registered TRT Primary Instructors, ~~under the supervision of a Registered TRT Senior Instructor,~~ are also required to:
1. Set up the classroom and field exercises
  2. Ensure all objectives and minimum requirements of the course curriculum are met
  - ~~3. Administer any psychomotor skills exams~~
  4. Evaluate student/team performance and sign each student's ~~task book~~ Training Record
  5. Function as the safety officer to cCoordinate and monitor all safety aspects of the course
  6. Comply with 5.1.11: Record Keeping
  7. Complete and maintain an iIncident aAction pPlan and a daily trench inspection worksheet

#### **6.7.22.3: Senior Instructor Trainee**

- ~~A. Senior Instructor Trainee is the entry level for becoming a Registered TRT Senior Instructor.~~

- ~~B. An individual is considered a Senior Instructor Trainee while he or she completes the TRT Senior Instructor Trainee Task Book.
  - ~~1. Trainees have two years after beginning the task book to complete its requirements.~~
  - ~~2. The applicant must submit the task book for instructor registration within one year of completing it.~~~~
  
- ~~C. Under direct supervision of a Registered TRT Senior Instructor, the Senior Instructor Trainee shall:
  - ~~1. Ensure all objectives and minimum requirements of the course curriculum are met~~
  - ~~2. Function as the safety officer and monitor all safety aspects of the course~~
  - ~~3. Supervise and evaluate any primary instructor~~
  - ~~4. Carry out all other related tasks as assigned by the senior instructor~~
  - ~~5. Satisfactorily complete the Senior Instructor Trainee Instructor Task Book~~~~
  
- ~~D. SFT does not register TRT Senior Instructor Trainees.~~

#### **6.7.22.4: Senior Instructor**

- ~~A. A Registered TRT Senior Instructor is required for any delivery of a TRT course.~~
  
- ~~B. In addition to the responsibilities required of all SFT Registered Senior Instructors (See **6.3.6: Responsibilities.**), Registered TRT Senior Instructors are also required to:
  - ~~1. Comply with **5.1.11: Record Keeping**~~~~  
~~Complete and maintain an incident action plan and a daily trench inspection worksheet~~

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### **6.7.23: TRENCH RESCUE TECHNICIAN (TRT) – PRIMARY INSTRUCTOR**

#### **6.7.23.1: Eligible Courses**

**Table 6.7.23.1: TRT – Primary Instructor Eligible Courses**

<b>CFSTES Courses</b>	<b>FSTEP Courses</b>
<ul style="list-style-type: none"><li>• None</li></ul>	<ul style="list-style-type: none"><li>• Trench Rescue Technician</li></ul>

#### **6.7.23.2: General Qualifications**

- A. A TRT ~~Primary~~ Instructor Trainee or Registered ~~Primary~~ Instructor shall meet the qualifications required of all State Fire Training (SFT) Registered ~~Primary~~ Instructors.
  - 1. See **6.2.1: Qualifications.**

#### **6.7.23.3: Course Work**

A. A TRT ~~Primary~~ Instructor Trainee or Registered ~~Primary~~ Instructor must have attended and passed:

- ~~1. Rescue Systems 1: Basic Rescue Skills~~
2. Trench Rescue Technician
3. Confined Space Rescue: Operations/Technician (2021)

~~B. A Registered Instructor who has taught a trench rescue course since January 15, 2009, is eligible to attend a Trench Rescue Technician update course.~~

~~C. A Registered Instructor who has not taught a trench rescue course since January 15, 2009 is required to take the Trench Rescue Technician course.~~

#### **6.7.23.4: Instructor Requirements**

A. See **6.2.1.2: Instructor Requirements**.

#### **6.7.23.5: Teaching Experience**

A. None

#### **6.7.23.6: Task Book**

A. A TRT Instructor Trainee candidate must consistently work to complete all requirements documented in Instructor Task Book since its initiation date. Significant gaps between JPR sign offs may result in disqualification from teaching Trench Rescue Technician as a registered instructor or a candidate must initiate a new task book using State Fire Training's current published version. A TRT Primary Instructor Trainee has two (2) years after starting his or her their TRT Primary Instructor Trainee Task Book to complete the tTask bBook requirements.

B. A TRT ~~Primary~~ Instructor Trainee must satisfy all instructor requirements and become a Registered TRT ~~Primary~~ Instructor within one (1) year of completing his or her their Instructor Ttask Bbook.

- ~~1. A minimum of one Registered TRT Senior Instructor evaluators is required.~~

#### **6.7.23.7: Professional Experience**

A. A TRT ~~Primary~~ Instructor Trainee or Registered ~~Primary~~ Instructor shall meet the professional experience qualifications listed below.

1. Performing in an "acting" capacity does not qualify.

**Table 6.7.23.7: TRT – Primary Instructor Professional Experience**

FSTEP Courses	Experience
<ul style="list-style-type: none"> <li>Trench Rescue Technician</li> </ul>	<ul style="list-style-type: none"> <li><u>Have a minimum of three (3) years’ full-time or six (6) years’ part-time/volunteer experience as a fire fighter performing rescue duties within a recognized fire agency in California</u></li> <li><u>Held the rank of Fire Fighter within a recognized fire agency in California performing rescue duties for a minimum of three (3) years (e.g., being a member of an identifiable rescue team)</u></li> </ul>

**6.7.23.8: Application – Primary Instructor Trainee**

- A. ~~The applicant shall submit the following items to the Registered TRT Senior Instructor who will oversee the evaluation:~~
- ~~1. A current resume listing education, position, and experience~~
  - ~~2. A copy of a course completion certificate from SFT for Rescue Systems 1 and Trench Rescue Technician~~
  - ~~3. A copy of SFT Instructor I and Instructor II certificates or verification of the qualifying equivalents~~
  - ~~4. A verification letter signed by the Fire Chief, or his or her authorized designee, describing the applicant’s specific background as it relates to his or her teaching experience and his or her experience.~~
    - ~~i. See 4.1.1: Letters of Verification.~~
  - ~~5. A blank Primary TRT Instructor Task Book~~

**6.7.23.98: Application – Primary Instructor**

- A. See **6.2.3: Application Process.**

**6.7.23.109: Maintenance**

- A. A Registered TRT ~~Primary~~ Instructor shall teach at least one (1) SFT Trench Rescue Technician courses every two (2) years.



## **6.7.24: TRENCH RESCUE TECHNICIAN (TRT) – SENIOR INSTRUCTOR**

### **6.7.24.1: Eligible Courses**

**Table 6.7.24.1: TRT – Senior Instructor Eligible Courses**

<b>CFSTES Courses</b>	<b>FSTEP Courses</b>
● None	● Trench Rescue Technician

### **6.7.24.2: General Qualifications**

- ~~A. A TRT Senior Instructor Trainee or Registered Senior Instructor shall meet the qualifications required of all State Fire Training (SFT) Registered Senior Instructors.~~
- ~~1. See 6.3.1: Qualifications.~~

### **6.7.24.3: Course Work**

- ~~A. Same as a Registered TRT Primary Instructor.~~
- ~~1. See 6.7.23.3: Course Work.~~

### **6.7.24.4: Instructor Requirements**

- ~~A. A TRT Senior Instructor Trainee shall be currently registered as a TRT Primary Instructor in good standing.~~

### **6.7.24.5: Teaching Experience**

- ~~A. Taught at least one SFT Trench Rescue Technician courses within the past two years~~

### **6.7.24.6: Task Book**

- ~~A. A TRT Senior Instructor Trainee has two years after starting his or her TRT Senior Instructor Trainee Task Book to complete the task book requirements.~~
- ~~B. A TRT Senior Instructor Trainee must satisfy all instructor requirements and become a registered TRT senior instructor within one year of completing the task book.~~
- ~~1. A minimum of two Registered TRT Senior Instructor evaluators are required.~~

### **6.7.24.7: Professional Experience**

- ~~A. Same as a Registered TRT Primary Instructor~~
- ~~1. See 6.7.23.7: Professional Experience.~~

**~~6.7.24.8: Application – Senior Instructor Trainee~~**

~~A. The applicant shall submit the following items to the Registered TRT Senior Instructor who will oversee the evaluation:~~

- ~~1. A current resume listing education, position, and experience~~
- ~~2. Verification of primary instructor status~~
- ~~3. Verification of Competent Person course certification~~
- ~~4. Senior TRT Instructor Task Book~~

**~~6.7.24.9: Application – Senior Instructor~~**

~~A. See 6.3.3 Application Process.~~

**~~6.7.24.10: Maintenance~~**

~~A Registered TRT Senior Instructor shall teach at least one SFT Trench Rescue Technician courses every two years.~~