Tower Rescue Technician (NFPA 1006: Tower Rescue, Awareness/Operations/Technician)

Instructor Task Book (2021)





California Department of Forestry and Fire Protection Office of the State Fire Marshal State Fire Training

Overview

Authority

This instructor task book includes the training standards set forth in:

• NFPA 1006: Standard for Technical Rescue Personnel Professional Qualifications (2021)

Published: February 2024

Published by: State Fire Training, PO Box 944246, Sacramento, CA 94244-2460

Cover photo courtesy of Matt O'Donnell, Battalion Chief, Ebbetts Pass Fire District.

Purpose

The State Fire Training instructor task book is a performance-based document. It lists the minimum requirements a candidate must meet to teach a specific State Fire Training course or course series.

Assumptions

Except for Fire Fighter and Emergency Vehicle Technician (EVT) certifications, a candidate may begin the task book initiation process upon completion of all required education components (courses).

Each job performance requirement (JPR) shall be evaluated after the candidate initiates the task book.

State Fire Training task books do not count towards the NWCG task book limit. There is no limit to the number of State Fire Training task books a candidate may pursue at one time if the candidate meets the initiation requirements for each.

It is the candidate's responsibility to routinely check the State Fire Training website for updates to an initiated task book. All State Fire Training issued updates to an initiated task book are required for task book completion.

A candidate must complete a task book within three years of its initiation date. Otherwise, a candidate must initiate a new task book using the curriculum's current published version.

Roles and Responsibilities

Candidate

The candidate is the individual pursuing instructor registration.

Initiation

The candidate shall:

- 1. Complete the Initiation Requirements section.
 - Please print.
- 2. Complete a block on the Signature Verification page with a handwritten signature.

Completion

The candidate shall:

- 1. Complete all Job Performance Requirements.
 - Ensure that an evaluator initials, signs, and dates each task to verify completion.
- 2. Complete the Completion Requirements section.
- 3. Sign and date the Candidate verification section on the Review and Approval page with a handwritten signature.
- 4. Obtain their fire chief's handwritten (not stamped) signature on the Fire Chief verification section on the Review and Approval page.
- 5. Create and retain a physical or high-resolution digital copy of the completed task book.

Submission

The candidate shall:

- 1. Submit a copy (physical or digital) of the completed task book and any supporting documentation to State Fire Training.
 - See Submission and Review below.

A candidate should not submit a task book until they have completed all requirements and obtained all signatures. State Fire Training will reject and return an incomplete task book.

Evaluator

An evaluator is any individual who verifies that the candidate can satisfactorily execute a job performance requirement (JPR).

A qualified evaluator is a Registered Tower Rescue Technician Instructor designated by the candidate's fire chief (or authorized designee). For instructor task books that do not require fire chief initiation, academy instructors serve as or designate evaluators.

All evaluators shall:

- 1. Complete a block on the Signature Verification page with a handwritten signature.
- 2. Review and understand the candidate's instructor task book requirements and responsibilities.
- 3. Verify the candidate's successful completion of one or more job performance requirements through observation.
 - Do not evaluate any job performance requirement (JPR) until after the candidate initiates the task book.
 - Sign all appropriate lines in the instructor task book with a handwritten signature or approved digital signature (e.g., DocuSign or Adobe Sign; a scanned copy of a signature is not acceptable) to record demonstrated performance of tasks.

Fire Chief

The fire chief is the individual who initiates (when applicable) and then reviews and confirms the completion of a candidate's instructor task book.

A fire chief may identify an authorized designee already on file with State Fire Training to fulfill any task book responsibilities assigned to the fire chief. (See *State Fire Training Procedures Manual*, 4.2.2: Authorized Signatories)

Initiation

The fire chief shall:

- 1. Review and understand the candidate's instructor task book requirements and responsibilities.
- 2. Complete a block on the Signature Verification page with a handwritten signature.
- 3. Designate qualified evaluators.

Completion

The fire chief shall:

- 1. Confirm that the candidate has obtained the appropriate signatures to verify successful completion of each job performance requirement.
 - Ensure that all job performance requirements were evaluated after the initiation date.

- 2. Confirm that the candidate meets the Completion Requirements.
- 3. Sign and date the Fire Chief verification statement under Review and Approval with a handwritten signature.
 - If signing as an authorized designee, verify that your signature is on file with State Fire Training.

Submission and Review

A candidate should not submit a task book until they have completed all requirements and obtained all signatures. State Fire Training will reject and return an incomplete task book.

To submit a completed task book, please send the following items to the address below:

- 1. A copy of the completed task book (candidate may retain the original)
- 2. All supporting documentation
- 3. Payment

State Fire Training Attn: Instructor Registration PO Box 944246 Sacramento, CA 94244-2460

State Fire Training reviews all submitted task books.

- If the task book is complete, State Fire Training will authorize the task book and retain a digital copy of the authorized task book in the candidate's career file.
- If the task book is incomplete, State Fire Training will return the task book with a notification indicating what needs to be completed prior to resubmission.

Completion of this instructor task book is one step in the instructor registration process. Please refer to the *State Fire Training Procedures Manual* for the complete list of qualifications required to teach Tower Rescue Technician (2021).

Initiation Requirements

The following requirements must be completed prior to initiating this task book.

Candidate Inf	ormation
Name:	
SFT ID Number:	
Fire Agency:	
Initiation Date:	
Prerequisites	

The candidate meets one of the following prerequisites.

- 1. OSFM Instructor 1, Training Instructor I, or Fire Instructor I certification
- 2. OSFM Registered Instructor

Include documentation to verify prerequisite requirements when you submit your instructor task book unless verification is already documented in your SFT User Portal.

Education

The candidate has completed the following courses.

1. Tower Rescue Technician (SFT)

Include documentation to verify education requirements when you submit your instructor task book unless verification is already documented in your SFT User Portal.

Fire Chief Approval

State Fire Training confirms that a fire chief's approval is not required to initiate this task book.

Signature Verification

The following individuals have the authority to verify portions of this instructor task book using the signature recorded below.

Please print except for the Signature line where a handwritten signature is required. Add additional signature pages as needed.

Name:		Name:
Job Title:		Job Title:
Organization:	(Organization:
Signature:		Signature:
Name:		Name:
Job Title:		Job Title:
Organization:	(Organization:
Signature:		Signature:
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Name:		Name:
Job Title:		Job Title:
Organization:		Organization:
Signature:		Signature:

Job Performance Requirements

Job Performance Requirements

The candidate must complete each job performance requirement (JPR) in accordance with the standards of the authority having jurisdiction (AHJ) or the National Fire Protection Association (NFPA), whichever is more restrictive.

When California requirements exceed or require revision to the NFPA standard, the corresponding Office of the State Fire Marshal approved (OSFM) additions or revisions appear shaded in gray.

All JPRs must be completed within a California fire agency or State Fire Training Accredited Regional Training Programs (ARTP).

Each JPR shall be evaluated after the candidate initiates the task book.

Each task must be performed twice.

- The two instances must occur during two different courses.
- The same evaluator cannot sign off on the same task twice.
- In the tables, E1 represents the candidate's first evaluation and E2 represents their second evaluation.

Examples of correct and incorrect evaluation:

Correct: Task completed during two separate courses and evaluated by two separate individuals.

1.	Assemble a comprehensive burn plan ("burn book") that contains all documentation necessary to conduct a live fire training evolution in accordance with NFPA standards and the policies and procedures of State Fire Training (SFT) and the authority having jurisdiction (AHJ).	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	 Describe purpose of a live fire burn plan 	AAA123	2/8/18	JAS	BBB123	5/15/18	CWJ
	 Identify components of a live fire burn plan ("burn book") 	AAA123	2/8/18	JAS	BBB123	5/15/18	CWJ
	 c. Identify records-retention requirements for burn plans 	AAA123	2/8/18	JAS	BBB123	5/15/18	CWJ

Incorrect: Task completed twice during one course but evaluated by two separate individuals.

1. Assemble a comprehensive burn plan ("burn book") that contains all documentation necessary to conduct a live fire training evolution in accordance with NFPA standards and the policies and procedures of State Fire Training (SFT) and the authority having jurisdiction (AHJ).	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
 Describe purpose of a live fire burn plan 	AAA123	2/8/18	JAS	AAA123	2/8/18	CWJ
b. Identify components of a live fire burn plan ("burn book")	AAA123	2/8/18	JAS	AAA123	2/8/18	CWJ
c. Identify records-retention requirements for burn plans	AAA123	2/8/18	JAS	AAA123	2/8/18	CWJ

Incorrect: Task completed during two separate courses but evaluated by the same individual.

1.	Assemble a comprehensive burn plan ("burn book") that contains all documentation necessary to conduct a live fire training evolution in accordance with NFPA standards and the policies and procedures of State Fire Training (SFT) and the authority having jurisdiction (AHJ).	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	 Describe purpose of a live fire burn plan 	AAA123	2/8/18	JAS	BBB123	5/15/18	JAS
	 b. Identify components of a live fire burn plan ("burn book") 	AAA123	2/8/18	JAS	BBB123	5/15/18	JAS
	 c. Identify records-retention requirements for burn plans 	AAA123	2/8/18	JAS	BBB123	5/15/18	JAS

Tower Rescue Technician Instructor

Course Administration and Application

1.	Course administration and orientation	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	a. Complete and submit course scheduling request						
	 Order student textbooks (if applicable) 						
	c. Identify facility requirements						
	d. Confirm facilities set up and safety						
	e. Identify classroom requirements						
	Confirm equipment (based on number of students)						
	g. Complete instructor assignments						
	 Organize skill stations (location, equipment, timing, complexity) 						
	. Confirm prop set up and safety						
	. Complete class rosters						
	k. Review course syllabus						

Introduction to Tower Rescue

2.	Int	roduction to Tower Rescue (Topic 2-1)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	a.	Identify types of towers						
	b.	Define a "tower rescue" incident						
	c.	Identify factors that determine incident complexity						
	d.	Identify towers common to the AHJ						
	e.	Describe tower components and construction						
	f.	Describe hazards associated with operating on and around towers						
3.	Sta	andards and Regulations (Topic 2-2)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	a.	Identify industry standards applicable to tower rescue						
	b.	Identify industry regulations applicable to tower rescue						
	C.	Describe how Cal/OSHA 3270.1 applies during training versus during a rescue event						
	d.	Identify AHJ policies and procedures						
	e.	Identify owner/operator policies and procedures						

Incident Size Up and Planning

4. Si	ze Up a Tower Rescue Incident (Topic 3-1)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a.	Describe the components of a tower rescue size up						
b.	Describe a risk/benefit assessment						
c.	Describe types of reference materials and their uses						
d.	Describe availability and capability of resources						
e.	Describe elements of an incident action plan and related information						
f.	Describe how size up relates to the incident management system						
g.	Describe information gathering techniques and how that information is used in the size-up process						
h.	Describe basic search criteria for tower rescue incidents						
i.	Describe how to develop and adhere to contingency plans						
j.	Read technical rescue reference materials						
k.	Gather information						
١.	Use interview techniques						
m	. Relay information						
n.	Use information-gathering sources						
	ecognize the Need for Technical Rescue Resources Topic 3-2)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)

								r
	a.	Describe operational protocols						
	b.	Identify specific planning forms						
	c.	Describe types of incidents common to the AHJ						
	d.	Describe hazards						
	e.	Describe incident support operations and resources						
	f.	Describe safety measures						
	g.	Apply operational protocols						
	h.	Select specific planning forms based on the types of incidents						
	i.	Identify and evaluate various types of hazards within the AHJ						
	j.	Request support and resources						
I I	J.							
	k.	Determine the required safety measures						
6.	k. Re		Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
6.	k. Re	Determine the required safety measures cognize Incident Hazards and Initiate Isolation Procedures	Code			Code		
6.	k. Re (To	Determine the required safety measures cognize Incident Hazards and Initiate Isolation Procedures opic 3-3)	Code			Code		
6.	k. Re (Tc a.	Determine the required safety measures cognize Incident Hazards and Initiate Isolation Procedures opic 3-3) Describe types and nature of incident risks and hazards	Code			Code		
6.	k. Re (To a. b.	Determine the required safety measures cognize Incident Hazards and Initiate Isolation Procedures opic 3-3) Describe types and nature of incident risks and hazards Describe resource capabilities and limitations Describe equipment types and their use	Code			Code		
6.	k. Re (Tc a. b. c. d.	Determine the required safety measures cognize Incident Hazards and Initiate Isolation Procedures opic 3-3) Describe types and nature of incident risks and hazards Describe resource capabilities and limitations Describe equipment types and their use Describe isolation terminology, methods, equipment, and	Code			Code		
6.	k. Re (Tc a. b. c. d.	Determine the required safety measures cognize Incident Hazards and Initiate Isolation Procedures opic 3-3) Describe types and nature of incident risks and hazards Describe resource capabilities and limitations Describe equipment types and their use Describe isolation terminology, methods, equipment, and implementation	Code			Code		
6.	k. Re (Tc a. b. c. d. e.	Determine the required safety measures cognize Incident Hazards and Initiate Isolation Procedures opic 3-3) Describe types and nature of incident risks and hazards Describe resource capabilities and limitations Describe equipment types and their use Describe isolation terminology, methods, equipment, and implementation Describe operational requirement concerns	Code			Code		

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	h.	Identify resource capabilities and limitations						
	i.	Identify incident hazards						
	j.	Assess potential hazards to rescuers and bystanders						
	k.	Place scene control barriers						
	١.	Operate control and mitigation equipment						
7.		blate and Manage Exposure to Potentially Harmful Energy urces (Topic 3-4)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	a.	Describe types and uses of PPE						
	b.	Describe hazardous energy monitoring and testing equipment						
	c.	Describe types of energy sources						
	d.	Describe system isolation methods						
	e.	Describe specialized system features						
	f.	Describe tools for disabling hazards						
	g.	Describe AHJ policies and procedures						
	h.	Select and use hazard-specific PPE						
	i.	Use energy monitoring and testing equipment						
	j.	Identify hazardous energy sources						
	k.	Operate beneficial systems in support of tactical objectives						
	Ι.	Operate tools and devices for securing and disabling hazards						
	m	Engage in practices that minimize exposure to known or suspected hazards						

8.	Assess the Integrity of a Tower Structure (Topic 3-5)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	a. Describe types of structures within area of response						
	b. Describe potential structural compromise that would create additional hazards to rescuers						
	 Perform physical inspection of accessible tower components in accordance with a pre-climb checklist 						
9.	Support an Operations- or Technician-level Incident (Topic 3-6)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	a. Describe AHJ operational protocols						
	b. Describe hazard recognition						
	c. Describe incident management						
	d. Describe PPE selection						
	e. Describe how to select and use resources						
	f. Describe scene support requirements						
	g. Apply operational protocols						
	h. Function within the incident management system						
	i. Follow and implement an incident action plan						
	j. Report the task progress status to a supervisor or incide command	nt					
10). Select and Use PPE, Tools, and Equipment (Topic 3-7)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	a. Identify PPE used during tower rescue incidents						

b.	Identify the protections provided by PPE during tower rescue incidents						
C.	Identify the limitations of PPE during tower rescue incidents						
d.	Identify when and how to don and doff PPE						
e.	Don and doff PPE						
f.	Describe how to use tower rescue tools and equipment						
g.	Identify guidelines for cleaning, inspecting, and maintaining tools and equipment						
h.	Describe methods for cleaning tools and equipment						
i.	Identify when and how to remove tools and equipment from service						
j.	Select, use, and maintain tools and equipment						
11. Ut	ilize Fall Protection and Positioning Equipment (Topic 3-8)	Course	Date	Initials	Course	Date	Initials
		Code (E1)	(E1)	(E1)	Code (E2)	(E2)	(E2)
a.	Describe how to review a tower rescue preplan to gain familiarity with tower climber safety and work positioning equipment						
	Describe how to review a tower rescue preplan to gain familiarity with tower climber safety and work positioning						
b.	Describe how to review a tower rescue preplan to gain familiarity with tower climber safety and work positioning equipment Describe fall factor and its effects on anchors, equipment,						
b.	Describe how to review a tower rescue preplan to gain familiarity with tower climber safety and work positioning equipment Describe fall factor and its effects on anchors, equipment, and people						
b. c. d.	Describe how to review a tower rescue preplan to gain familiarity with tower climber safety and work positioning equipment Describe fall factor and its effects on anchors, equipment, and people Define fall arrest						
b. c. d.	Describe how to review a tower rescue preplan to gain familiarity with tower climber safety and work positioning equipment Describe fall factor and its effects on anchors, equipment, and people Define fall arrest Define fall arrest attachments						

h.	Define travel restraint						
i.	Describe fall protection devices and their applications						
j.	Operate tower fall protection and work positioning equipment						
12. De	evelop an Incident Action Plan (Topic 3-9)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a.	Describe the components of an IAP						
b.	Describe considerations that help develop an IAP						
C.	Describe how to combine multiple actions and information sources into a cohesive plan						
d.	Use a tactical worksheet						

Victim Management

13. Assess a Victim (Topic 4-1)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a. Describe how to establish victim rapport						
b. Identify victim assessment considerations						
c. Assess a victim (implement tactics and employ tools identified in preplan to achieve objective)						
14. Remove a Victim from a Tower Environment (Topic 4-2)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a. Describe how to secure a victim to prevent falling						
b. Describe how to package a victim						

с.	Describe when and how to use packaging equipment			
d.	Describe how to connect a packaged victim to control lines			
e.	Describe how to move victim to desired location			
f.	Employ tactics identified in rescue preplan for removal of a victim on a tower			

Tower Operations

15. Perform a Rescue from a Ladder or Elevated Device (Topic 5-1)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a. Describe how to use ladders or elevated devices for tower rescue						
b. Describe specific procedures for using ladders or elevated devices in victim transfer from a tower						
c. Work from or operate ladders or elevated devices capable of accessing and rescuing the tower victim and transferring from the tower to the elevated device while providing fall protection for the victim and rescue personnel						
16. Participate in an Initial-contact Evaluation (Topic 5-2)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a. Describe the purpose of an initial-contact evaluation						
b. Describe the components of an initial-contact evaluation						
c. Select and transport designated tools						

17. As	cend a Tower to Conduct a Rescue (Topic 5-3)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a.	Describe a pre-climb checklist						
b.	Describe system safety check protocols						
C.	Describe the application and limitations of climbing, positioning, and fall protection systems						
d.	Describe how to use fall protection equipment						
e.	Describe how to ascend a tower vertically						
f.	Describe how to descend a tower						
g.	Describe how to transfer between integrated vertical lifeline systems						
h.	Describe how to traverse a tower horizontally						
i.	Describe how to place and use work positioning equipment						
j.	Determine proper PPE, tools, and equipment given the type of tower structure and integrated temporary or permanent safety systems						
k.	Don appropriate PPE, including but not limited to fall protection, helmet, and gloves as appropriate						
I.	Perform system safety checks						
m.	Use 100% tie off or vertical lifeline equipment systems to ascend the tower structure (instructor has to do both; student has to demonstrate one or the other)						
n.	Transfer between integrated vertical lifeline systems						
0.	Traverse a tower horizontally using a 100% tie off fall protection system						

p. Use positioning equipment to support the weight of the rescuer permitting the rescuer to perform a task						
q. Describe climbing plan						
r. Perform climbing techniques and methods						
18. Rescue a Suspended Victim Using a Ground-Based Control System (Topic 5-4)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
 a. Identify when to use a ground-based system that can accommodate vertical and horizontal movement 						
 Describe the tools and equipment used for a ground- based tower rescue 						
c. Describe how to establish anchors						
d. Describe how to construct a control line system that accounts for vertical and horizontal movement						
 Describe how to transfer a victim from an existing fall arrest system to a control line system 						
f. Describe how to move a victim vertically and horizontally						
 g. Describe safety considerations associated with ground- based control systems 						
 h. Construct a control line system that accounts for vertical and horizontal movement 						
 Transfer a victim from an existing fall arrest system to a control line system 						
j. Move a victim vertically and horizontally						
19. Rescue a Suspended Victim Using a Tower-Based Control System (Topic 5-5)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
 a. Identify when to use a tower-based system that can accommodate vertical and horizontal movement 						

							1
b.	Describe the tools and equipment used for a tower-based						
	tower rescue						
C.	Describe how to establish anchors						
d.	Describe how to construct a control line system that						
	accounts for vertical and horizontal movement						
e.	Describe how to transfer a victim from an existing fall						
	arrest system to a control line system						
f.	Describe how to move a victim vertically and horizontally						
g.	Describe safety considerations associated with tower-						
	based control systems						
h.	Construct a control line system that accounts for vertical						
	and horizontal movement						
i.	Transfer a victim from an existing fall arrest system to a						
	control line system						
j.	Move a victim vertically and horizontally						
	Move a victim vertically and horizontally scue a Victim Using Multiple Control Systems (Topic 5-6)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
	· ·	Code			Code		
20. Re	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems	Code			Code		
20. Re	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems	Code			Code		
20. Re	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems Describe the tools and equipment used for multiple control systems	Code			Code		
20. Re a. b.	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems Describe the tools and equipment used for multiple control systems Describe how to establish anchors	Code			Code		
20. Re a. b.	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems Describe the tools and equipment used for multiple control systems Describe how to establish anchors	Code			Code		
20. Re a. b.	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems Describe the tools and equipment used for multiple control systems Describe how to establish anchors Describe how to construct multiple control systems that account for vertical and/or horizontal movement	Code			Code		
20. Re a. b. c. d.	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems Describe the tools and equipment used for multiple control systems Describe how to establish anchors Describe how to construct multiple control systems that account for vertical and/or horizontal movement Describe how to transfer a victim from one control system	Code			Code		
20. Re a. b. c. d. e.	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems Describe the tools and equipment used for multiple control systems Describe how to establish anchors Describe how to construct multiple control systems that account for vertical and/or horizontal movement Describe how to transfer a victim from one control system to another control system	Code			Code		
20. Re a. b. c. d. e.	scue a Victim Using Multiple Control Systems (Topic 5-6) Identify when and where to use multiple control systems Describe the tools and equipment used for multiple control systems Describe how to establish anchors Describe how to construct multiple control systems that account for vertical and/or horizontal movement Describe how to transfer a victim from one control system	Code			Code		

g.	Describe safety considerations associated with multiple control systems						
h.	Construct multiple control systems that account for vertical and/or horizontal movement						
i.	Transfer a victim from one control system to another control system						
j.	Move a victim vertically and/or horizontally						
21. Di	rect a Tower Rescue Team (Topic 5-7)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
21. Di		Code			Code		

Termination

22. Terminate an Incident (Topic 6-1)	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a. Describe PPE characteristics						
b. Identify hazard and risk identification						
c. Describe equipment removal procedures						
d. Describe isolation techniques						
e. Identify statutory requirements						
f. Identify responsible parties						
g. Describe accountability system use						

h. Describe documentation and reporting requirements			
i. Describe post-incident analysis techniques			
j. Select and use hazard-specific PPE			
k. Decontaminate PPE			
I. Use barrier protection techniques			
 m. Implement data collection and record-keeping/reporting protocols 			
n. Conduct post-incident analysis activities			

Application

	t up, demonstrate, and oversee drill ground operations d/or demonstrations	Course Code (E1)	Date (E1)	Initials (E1)	Course Code (E2)	Date (E2)	Initials (E2)
a.	Size up a tower rescue incident						
b.	Develop and adhere to contingency plans						
C.	Recognize the need for technical rescue resources						
d.	Recognize incident hazards and initiate isolation procedures						
e.	Select and use hazard-specific PPE and equipment to isolate and manage exposure to potentially harmful energy sources						
f.	Minimize exposure to known or suspected hazards						
g.	Perform physical inspection of accessible tower components						
h.	Support an operations- or technician-level incident						

i.	Don and doff PPE			
j.	Select, use, and maintain tools and equipment			
k.	Operate tower fall protection and work positioning equipment			
Ι.	Develop an incident action plan for a tower rescue incident on a structure whose size, shape, or configuration would accommodate only one rescuer (required)			
m.	Develop an incident action plan for other scenarios as determined by instructor applicable to the AHJ service area (optional)			
n.	Terminate an incident			
0.	Ascend a tower to the level of the victim using a 100% tie off fall protection system			
р.	Ascend a tower to the level of the victim using a vertical lifeline fall protection system			
q.	Ascend a tower using a ladder			
r.	Ascend a tower using pegs			
s.	Ascend a tower using lattice			
t.	Conduct an initial-contact evaluation			
u.	Descend a tower			
٧.	Transfer between integrated vertical lifeline systems (including a self-safety check)			
w.	Traverse a tower horizontally using a 100% tie off fall protection system			
х.	Place and use work positioning equipment permitting the rescuer to perform a task			

	n	n	n	r
y. Assess a victim				
z. Package a victim in a harness				
aa. Package a victim in a litter				
bb. Package a victim in a tower at elevation				
cc. Secure a harnessed victim to a tower				
dd. Connect a packaged victim to control lines				
ee. Move a victim vertically on a ground-controlled system				
ff. Move a victim vertically on tower-controlled system				
gg. Move a victim horizontally on a ground-controlled system				
hh. Move a victim horizontally on tower-controlled system				
ii. Transfer a victim from a tower to ladder (optional/recommended)				
 jj. Transfer a victim from a tower to an elevated device while providing fall protection for the victim and rescue personnel (optional/recommended) 				
kk. Transfer a victim from one control system to another control system				
II. Transfer a suspended victim from an existing fall arrest system to a ground-based control system				
mm. Transfer a suspended victim from an existing fall arrest system to a tower-based control system				
nn. Direct a tower rescue team to remove a victim from a tower				
oo. Work from or operate ladders capable of accessing and rescuing a tower victim (optional/recommended)				

pp. Work from or operate elevated devices capable of accessing and rescuing a tower victim (optional/recommended)			
qq. Construct a ground-based control system that can accommodate vertical and horizontal movement			
rr. Operate a ground-based control system to move a victim vertically and horizontally			
ss. Construct a tower-based control system that can accommodate vertical and horizontal movement			
tt. Operate a tower-based control system to move a victim vertically and horizontally			
uu. Construct multiple control line systems that can accommodate vertical and/or horizontal movement			
vv. Operate multiple control systems to move a victim vertically and/or horizontally			

Completion Requirements

The following requirements must be completed prior to submitting this task book.

Experience

The candidate meets the following experience requirements.

• Have a minimum of three years' full-time or six years' volunteer or part-time paid suppression/rescue experience in a recognized fire agency in California

Agency	Experience	Start Date	End Date

Include documentation to verify prerequisite requirements when you submit your instructor task book unless verification is already documented in your SFT User Portal.

Position

State Fire Training confirms that there are no position requirements for instructor registration.

Updates

The candidate has completed and enclosed all updates to this instructor task book released by State Fire Training since its initial publication.

Number of enclosed updates: _____

Completion Timeframe

A candidate must complete a task book within three years of its initiation date. Otherwise, a candidate must initiate a new task book using the curriculum's current published version.

Initiation Date (see Initiation Date under Initiation Requirements):

Review and Approval

Candidate

Candidate (please print):

I, the undersigned, am the person applying to teach Tower Rescue Technician. I hereby certify under penalty of perjury under the laws of the State of California, that the completion of all requirements documented herein is true in every respect. I understand that misstatements, omissions of material facts, or falsification of information or documents may be cause for rejection or revocation.

Signature:	Date:			
Fire Chief				

Candidate's Fire Chief (please print): _____

I, the undersigned, am the person authorized to verify the candidate's qualifications to teach Tower Rescue Technician. I hereby certify under penalty of perjury under the laws of the State of California, that the completion of all requirements documented herein are true in every respect. I understand that misstatements, omissions of material facts, or falsification of information or documents may be cause for rejection.

Signature: _____ Date: _____