

# CA-219: Wildland Firefighting - Firing Operations

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## Student Task Book April 2019



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

# CA-219: Wildland Firefighting - Firing Operations

Student Task Book  
April 2019

Candidate: \_\_\_\_\_

SFT ID Number: \_\_\_\_\_

Fire Agency: \_\_\_\_\_

Issued By: \_\_\_\_\_

Issue Date: \_\_\_\_\_

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This Task Book includes course objectives from CA-219: Wildland Fire Training with Ignition Operations (2019), CA-234: Intermediate Firing Methods (2009), and NWCG Single Resource Task Book for the position of Firing Boss (2012).

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## Purpose and Process

The State Fire Training Firing Operations Student Task Book is a performance-based document. It lists the Experience and Course Performance Requirements for course completion.

### Purpose

This Student Task Book focuses on a single State Fire Training course and identifies the minimum requirements necessary to perform the duties of the course. Completion of this Student Task Book verifies that the candidate has the required experience, holds the required position, and has demonstrated the course performance requirements necessary to obtain that course completion certificate.

### Responsibilities

#### Registered Instructor Responsibilities

A Registered CA-219 instructor will only issue the CA-219: Firing Operations Task Book after verifying the candidate has:

- Successfully completed 310-1: Wildland Firefighter Type 1 (FFT1)
- Successfully completed S-290: Intermediate Wildland Fire Behavior (classroom)
- Successfully completed the summative test for CA-219: Wildland Firefighting – Firing Operations (2019)

#### Candidate Responsibilities

The candidate is the individual pursuing course completion. All candidates shall:

- Complete the Experience, Rank, and Job Performance Requirements.
- Sign and date the Candidate verification statement with an original wet-ink signature.
- Retain a copy of the completed Firing Operations Task Book.

#### Evaluator Responsibilities

An evaluator is any registered CA-219 Instructor at a 16-hour CA-219 Live Fire Burn conducted in accordance to the CA-219 Course Plan and the CA-219 Burn Plan.

A task book may have more than one evaluator. All evaluators shall:

- Complete a block on the Signature Verification page with an original wet-ink signature.
- Review and understand the candidate's task book requirements and responsibilities.
- Verify the candidate's successful completion of one or more job performance requirements through observation or review.
- Sign all appropriate lines in the task book with an original wet-ink signature to record demonstrated performance of tasks.

## Completion Process

When you receive your Student Task Book:

1. Thoroughly review the Experience, Rank, and Job Performance Requirements segments to make sure that you understand them.
2. Complete the Experience segment, if applicable.
3. Complete the Position segment.
4. Complete each requirement in the Job Performance Requirements segment and ensure that an evaluator signs and dates each one to verify completion.

## Signature Verification

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

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

Job Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

Job Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

Job Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Job Title: \_\_\_\_\_

Job Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Organization: \_\_\_\_\_

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

## Task Book Requirements

### Experience

The candidate meets one of the following requirements for experience.

- A minimum of one years' full-time paid experience in a California fire agency or cooperator as a fire fighter performing suppression or prescribed fire duties
- or
- A minimum of two years part-time paid or volunteer experience in a California fire agency or cooperator as a fire fighter performing suppression or prescribed fire duties
- or
- A combination of full-time paid or part-time/volunteer experience equal to one years' full-time paid experience in a California fire agency or cooperator as a fire fighter performing suppression or prescribed fire duties
- Part-time/volunteer to full-time paid ratio is 2:1 (for example, two months part-time/volunteer = one month full-time paid) [Insert experience requirement]

## Course Performance Requirements

All course performance requirements must be performed in accordance with the standards of the CA-219 Course Plan, CA-219 Burn Plan, CA-234, and NWCG S-219 at a live fire exercise conducted at an authorized training burn or prescribed fire.

### Equipment

1. Demonstrate how to care for, set up, and use a fusee.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

2. Demonstrate how to care for, set up, and use a drip torch.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

3. Demonstrate or describe how to care for, set up, and use launching firing devices.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

4. Demonstrate or describe how to use back pumps and hand tools to hold firing operations.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

### Firing Techniques and Patterns

1. Demonstrate the following firing techniques and/or patterns while coordinating with holding forces:
  - a. Strip firing with 1-2-3 and 3-2-1 patterns
  - b. Dot firing
  - c. Ring firing
  - d. Strip firing utilizing grass crushed by tire tracks for wet-line firing
  - e. Chevron
  - f. Blowhole firing
  - g. Defensive firing to protect a simulated structure or resource
  - h. Firing dogleg and/or saddle

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

## Firing Boss

1. Inspect personnel and verify all agency required PPE is worn and is in serviceable condition; take corrective action as needed.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

2. Inspect all assigned equipment and verify it is in safe and serviceable condition. Takes corrective action as needed.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

3. Participate in an IAP briefing and describe the essential elements required for planning an effective and safe firing and holding operation.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

4. Develop the appropriate Burn Plan based on the IAP briefing, the current and expected fire behavior, and the objectives given by the instructor.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

5. Describe the potential situations that may occur during your planned operations that could cause injuries to your crew and your planned mitigation for those hazards based on the IAP, the briefing, and your observations.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

6. Organize the Ignition Team into a configuration that will produce the planned burn pattern with the correct firing sequence, spacing, and timing to meet objectives given by the instructor.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

- 7. Assign tasks or responsibilities to squad members, so that the instructions are complete, clear, and concise; safety considerations and LCES are addressed; and the desired outcomes are conveyed.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

- 8. Develop the Holding Plan based on assigned resources and forecasted fire behavior.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

- 9. Organize and brief the holding forces on the Holding Plan for the planned firing operation, including contingency plans and LCES.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

- 10. Initiate the Firing Plan at the appropriate time and adjusts firing pattern to actual conditions.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

- 11. Maintain control and communication with Firing Personnel and make timely adjustments to firing sequence, spacing, and timing to meet objectives safely based on actual fire behavior and effectiveness of holding operations.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

- 12. Coordinate with Holding Personnel to ensure holding actions are coordinated with Burners; take appropriate action to adjust holding force placement and tactics to changing conditions or undesired situations.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

- 13. Adjust the Burn Plan or execute contingency plans as necessary to adapt to changing conditions, spot fires, or slopovers.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

14. Monitor personnel for fatigue, heat stress, and injuries and immediately correct any improper tactic or unsafe act.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

15. When firing operations are completed, achieve the desired objectives within the parameters established by the instructor.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

16. Conduct appropriate debrief and burn critique with assigned personnel.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Evaluator Verification

## Verification

### Candidate

*Candidate:* \_\_\_\_\_  
Candidate's Printed Name

I, the undersigned, am the person applying for course completion. I hereby certify under penalty of perjury under the laws of the State of California, that completion of all experience, position, and job performance requirements made 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 or revocation.

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
Candidate's Signature

### Instructor

I verify that the candidate has met all requirements for this course completion certificate.

\_\_\_\_\_  
SFT ID Number

\_\_\_\_\_  
SFT Registered Instructor Printed Name

\_\_\_\_\_  
Date Completed

\_\_\_\_\_  
SFT Registered Instructor Signature