

FIRE INSPECTOR 1 (2014)

Certification Training Standards Guide



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

Fire Inspector 1 (2014)

Certification Training Standards Guide NFPA 1031 (2014) Fire Inspector 1 September 2019 Edition

This CTS guide utilizes NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (2014) to provide the qualifications for State Fire Training's Fire Inspector 1 certification.

State Fire Training coordinated the development of this CTS guide. Before its publication, the Statewide Training and Education Advisory Committee (STEAC) and the State Board of Fire Services (SBFS) recommended this CTS guide for adoption by the Office of the State Fire Marshal (OSFM).

Cover photo courtesy of Dennis Mathisen, Roseville Fire Department



Published by State Fire Training

2251 Harvard Street, Suite 400, Sacramento, CA 95815

(916) 568-2911

Table of Contents

State Fire Training	1
Mission	1
The California Fire Service Training and Education System	1
Acknowledgments.....	2
How to Read a CTS Guide.....	4
Format.....	4
Content.....	5
Fire Inspector 1	6
Section 1: Definition of Duties	6
Section 2: Administration.....	8
Section 3: Field Inspection	14
Section 4: Wildland Urban Interface Environments	33
State Fire Training Content.....	34
Errata.....	37
Certification History	38

State Fire Training

Mission

To enable the California Fire Service to safely protect life and property through education, training, and certification.

The California Fire Service Training and Education System

The California Fire Service Training and Education System (CFSTES) was established to provide a single statewide focus for fire service training in California. CFSTES is a composite of all the elements that contribute to the development, delivery, and administration of training for the California fire service. The authority for the central coordination of this effort is vested in the Training Division of the California State Fire Marshal's Office with oversight provided by the State Board of Fire Services.

CFSTES facilitates, coordinates, and assists in the development and implementation of standards and certification for the California fire service. CFSTES:

1. Administers the California Fire Academy System
2. Provides accredited courses leading to certification and approved standardized training programs for local and regional delivery
3. Administers the national accreditation process in California
4. Publishes certification training standards, course plans, and a capstone task book for each certified level in the California fire service

CFSTES is a fire service system developed by the fire service, for the fire service. It is only as successful and effective as the people involved in it.

Acknowledgments

State Fire Training appreciates the hard work and accomplishments of those who built the solid foundation on which this program continues to grow.

State Fire Training gratefully acknowledges the following individuals and organizations for their diligent efforts and contributions that made the development and publication of this document possible.

CAL FIRE

Thom Porter
Director, CAL FIRE

Mike Richwine
Acting State Fire Marshal

Andrew Henning
Chief, State Fire Training

Ron Coleman
Chair, STEAC

Cadre Leadership

Caryn Petty
Cadre Leader
Deputy State Fire Marshal, State Fire Training, Office of the State Fire Marshal

Cadre Members

Chris Fowler
Supervising Deputy State Fire Marshal III, State Fire Training, Office of the State Fire Marshal

Cindy Moore
Supervising Deputy State Fire Marshal III, Fire and Life Safety, Office of the State Fire Marshal

Acknowledgments

Sandy Margullis

Supervising Deputy State Fire Marshal III, Fire and Life Safety, Office of the State Fire Marshal

Jason Nailon

Fire Marshal, San Marcos Fire Department

Paula Dueweke

Fire Inspector, Petaluma Fire Department

Michael Mentink

Fire Marshal, Moraga-Orinda Fire Department

Ian Hardage

Assistant Fire Marshal, Santa Rosa Fire Department

How to Read a CTS Guide

State Fire Training develops a Certification Training Standards (CTS) Guide for a variety of job functions in the fire service such as firefighter, driver/operator, fire instructor, and company officer. The CTS guide lists the requisite knowledge and skills and the job performance requirements a person is expected to complete in order to become certified in a specific function. CTS guides are appropriate for fire service personnel and individuals in related occupations pursuing State Fire Training certification.

Each CTS guide serves as a foundation for the certification programs recommended for adoption by the Office of the State Fire Marshal. Any certification program must be based on job-related knowledge and measurable performance standards. To master the knowledge and skills needed for specialized operations, individuals will require additional training to augment the performance standards included in the CTS guide.

Within the CTS guide, it is impossible to capture the different policies and procedures of each organization in the California fire service. Individuals aspiring to meet State Fire Training's certification training standards must do so in accordance with the codes, standards, regulations, policies, and standard operating procedures applicable within their own departments or jurisdictions.

Format

Each certification training standard included in the CTS guide includes the following:

Section Heading

The section heading describes a general category for a group of training standards. For example, the Fire Marshal CTS includes the following sections: Administration, Risk Management, Community Relations, Professional Development, Regulatory Programs, Fire and Life Safety, and Investigation. Each section contains one or more individual training standards.

Training Standard Title

The training standard title provides a general description of the performance requirement contained within the standard.

Authority

The CTS guide references each standard with one or more paragraphs of the corresponding National Fire Protection Association (NFPA) Professional Qualifications. This ensures that each fire service function within California's certification system meets or exceeds NFPA standards.

When California requirements exceed the NFPA standard, the CTS guide cites the Office of the State Fire Marshal as the authority and prints the corresponding information in *italics*.

Given

This section lists the objects, equipment, materials, or facilities an individual needs in order to acquire the requisite knowledge and skills or to accomplish the job performance requirement(s) within a training standard.

Requisite Knowledge and Skills

This section lists the knowledge and skills that an individual must acquire in order to accomplish the job performance requirement(s) within a training standard.

This section does not include NFPA requisite knowledge or skills that are too general to teach or that individuals should develop through life experiences. For example, a training standard would not list “communicate orally and in writing” or “ability to relate interpersonally” unless they specifically apply to a job performance requirement about acquiring communication skills or developing interpersonal relationships.

Job Performance Requirements

This section includes one or more written statements that describe a specific job-related task and define measurable or observable outcomes. After an individual completes all coursework and requisite requirements, the capstone task book process verifies completion of job performance requirements.

Content

In addition to the individual certification training standards, the CTS guide also includes State Fire Training Revisions and Errata pages.

State Fire Training Content

Located at the back of the CTS guide, this table documents any significant revisions made by State Fire Training to the NFPA standards in the development of this CTS guide. This table is used to justify content additions and advise the course plan development team.

Errata

Located at the back of the CTS guide, this page documents any changes made to the CTS guide outside of the five-year NFPA revision cycle.

Fire Inspector 1

Section 1: Definition of Duties

1-1: Definition of Duties for Fire Inspector 1

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.2
 - Paragraph 4.3
2. *Office of the State Fire Marshal*

Given

1. Sections 4.2 and 4.3 of NFPA 1031 (2014)
2. *California Building Code, Chapter 7A, California Code of Regulations Title 24 (2016)*
3. *Ethical scenarios or case studies*

Requisite Knowledge and Skills

1. Identify the administrative duties of a Fire Inspector 1
 - Preparing correspondence and inspection reports
 - Handling complaints
 - Maintaining records
 - Participating in legal proceedings
 - Maintaining an open dialogue with the plan examiner and emergency response personnel
2. Identify the field inspection duties of a Fire Inspector 1
 - Conducting fire safety inspections of new and existing structures and properties for construction, occupancy, fire protection, and exposures
 - *Conducting fire safety inspections in the wildland urban interface environment*
3. *Identify the ethics that should govern a Fire Inspector 1's job performance*

Job Performance Requirements

There are no job performance requirements identified for this training standard.

Fire Inspector 1

Section 1: Definition of Duties

1-2: Legal Responsibilities and Authority

Authority

1. *Office of the State Fire Marshal*

Given

1. *California Health and Safety Code*
2. *California Code of Regulations Title 19*
3. *California Code of Regulations Title 24*

Requisite Knowledge and Skills

1. *Identify the inspection authority in the California Health and Safety Code*
2. *Identify the regulatory requirements found in California Code of Regulations Titles 19 and 24*
3. *Identify the jurisdictional organizations other than the fire department that have requirements or conduct inspections related to fire prevention and life safety*
4. *Identify the jurisdictional organizations other than the fire department that have requirements or conduct inspections related to the wildland urban interface*
5. *Identify an authority having jurisdiction's liability for failure to perform*

Job Performance Requirements

Identify the codes that give a fire inspector legal authority to conduct inspections in the state of California.

Section 2: Administration

2-1: Preparing Inspection Reports

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.2.1
2. *Office of the State Fire Marshal*

Given

1. Agency policy and procedures
2. Observations from an assigned field inspection
3. *A sample inspection report or template*

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. *Identify* policies of the jurisdiction
3. *Recognize the common components of an inspection report*

Job Performance Requirements

Prepare clear and concise inspection reports that reflect the inspection findings in accordance with applicable codes and standards and jurisdictional policies.

2-2: Recognizing the Need for a Permit

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.2.2

Given

1. A situation or condition

Requisite Knowledge and Skills

1. *Identify* permit policies of the jurisdiction
2. *Identify* the rationale for the permit
3. Communicate permit requirements orally and in writing

Job Performance Requirements

Recognize the need for a permit in order to communicate permit requirements in accordance with applicable codes and standards and jurisdictional policies.

2-3: Recognizing the Need for a Plan Review

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.2.3

Given

1. A situation or condition

Requisite Knowledge and Skills

1. *Identify* plan review policies of the jurisdiction
2. *Identify* the rationale for the plan review
3. Communicate plan review requirements orally and in writing

Job Performance Requirements

Recognize the need for a plan review in order to communicate plan review requirements in accordance with applicable codes and standards and jurisdictional policies.

2-4: Investigating Common Complaints

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.2.4
2. *Office of the State Fire Marshal*

Given

1. A reported situation or condition

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. *Identify* policies of the jurisdiction
3. Apply codes and standards
4. Communicate complaint resolution orally and in writing
5. *Recognize whether or not a complaint addresses a violation of jurisdictional codes or standards*

Job Performance Requirements

Investigate common complaints in a manner that records complaint information, initiates the process approved by the jurisdiction, and resolves the complaint.

2-5: Identifying Codes and Standards

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.2.5

Given

1. A fire protection, fire prevention, or life safety issue

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. Apply codes and standards to a fire protection, fire prevention, or life safety issue

Job Performance Requirements

Identify the applicable codes or standards in order to reference the applicable documents, edition, and section.

2-6: Participating in Legal Proceedings

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.2.6

Given

1. The findings of a field inspection or complaint
2. Consultation with legal counsel

Requisite Knowledge and Skills

1. *Identify* legal requirements pertaining to evidence rules in the legal system
2. *Identify* types of legal proceedings
3. Maintain a professional courtroom demeanor
4. Differentiate facts from opinions

Job Performance Requirements

Participate in legal proceedings with a professional demeanor, presenting all information.

Section 3: Field Inspection

3-1: Identifying Occupancy Classification for a Single-use Occupancy

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.1

Given

1. A description of an occupancy and its use

Requisite Knowledge and Skills

1. *Recognize* occupancy classification types
2. *Identify* applicable codes, regulations, and standards adopted by the jurisdiction
3. *Identify* operational features
4. *Recognize* fire hazards presented by various occupancies

Job Performance Requirements

Identify the occupancy classification of a single-use occupancy in accordance with applicable codes and standards.

3-2: Computing Allowable Occupant Load of a Single-use Occupancy

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.2

Given

1. A detailed description of the occupancy

Requisite Knowledge and Skills

1. *Recognize* occupant load factors
2. Identify occupancy factors related to various occupancy classification
3. Calculate occupant loads
4. Use measuring tools
5. Make field sketches

Job Performance Requirements

Compute the allowable occupant load of a single-use occupancy or portion thereof in accordance with applicable codes and standards.

3-3: Inspecting Means of Egress Elements

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.3

Given

1. Observations made during a field inspection of an existing building

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction related to means of egress elements
2. *Identify* occupancy egress requirements
3. *Identify* the relationship of fixed fire protection systems to egress requirements and to approved means of egress elements
4. Observe and recognize problems with egress elements
5. Make basic decisions related to means of egress

Job Performance Requirements

Inspect means of egress elements in order to verify the maintenance of egress elements in compliance with applicable codes and standards, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-4: Verifying Construction Type for an Addition or Remodel

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.4

Given

1. Field observations or a description of the project
2. A description of materials being used

Requisite Knowledge and Skills

1. *Identify* applicable codes and standards adopted by the jurisdiction
2. *Identify* types of construction
3. *Identify* rated construction components
4. *Identify* accepted building construction methods and materials
5. Read plans

Job Performance Requirements

Verify the type of construction for an addition or remodel in order to identify and record the construction type in accordance with applicable codes and standards and jurisdictional policies.

3-5: Determining Operational Readiness of Fixed Fire Suppression Systems

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.5

Given

1. Test documentation
2. Field observations

Requisite Knowledge and Skills

1. *Identify* components and operation of fixed fire suppression systems
2. *Identify* codes and standards applicable to fixed fire suppression systems
3. Observe, recognize problems with, and make decisions about fixed fire suppression systems
4. Read test documentation and maintenance reports

Job Performance Requirements

Determine the operational readiness of existing fixed fire suppression systems in order to ensure operational readiness, document maintenance, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-6: Determining Operational Readiness of Existing Fire Detection and Alarm Systems

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.6

Given

1. Test documentation
2. Field observations

Requisite Knowledge and Skills

1. *Identify* the components and operation of fire detection and alarm systems and devices
2. *Identify* codes and standards applicable to fire detection and alarm systems and devices
3. Observe, recognize problems with, and make decisions about fire detection and alarm systems and devices
4. Read test documentation and maintenance reports

Job Performance Requirements

Determine the operational readiness of existing fire detection and alarm systems in order to ensure operational readiness, document maintenance, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policy.

3-7: Determining Operational Readiness of Portable Fire Extinguishers

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.7

Given

1. Field observations
2. Test documentation

Requisite Knowledge and Skills

1. *Identify* portable fire extinguishers, including their components and placement
2. *Identify* codes and standards applicable to portable fire extinguishers
3. Observe, recognize problems with, and make decisions about portable fire extinguishers
4. Read test documentation and maintenance reports

Job Performance Requirements

Determine the operational readiness of existing portable fire extinguishers in order to ensure operational readiness, document maintenance, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-8: Recognizing Hazardous Conditions

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.8

Given

1. Field observations

Requisite Knowledge and Skills

1. *Identify* practices and techniques of code compliance inspections
2. *Recognize* basic fire behavior
3. *Identify* fire prevention practices
4. *Identify* ignition sources
5. *Identify* safe housekeeping practices
6. *Identify* the classification of hazardous materials
7. Observe, recognize problems with, and make decisions about hazardous conditions
8. Apply codes and standards to hazardous conditions

Job Performance Requirements

Recognize hazardous conditions involving equipment, processes, and operations in order to verify that equipment is maintained and processes and operations are conducted in accordance with applicable codes and standards, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-9: Comparing Approved Plans and Existing Fire Protection Systems

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.9

Given

1. Approved plans
2. Field observations

Requisite Knowledge and Skills

1. *Identify* fire protection symbols and terminology associated with plans for fire protection systems
2. Read and comprehend plans for fire protection systems
3. Observe, recognize problems with, and make decisions about existing fire protection systems
4. Apply codes and standards applicable to fire protection systems

Job Performance Requirements

Compare an approved plan to an existing fire protection system in order to identify, document, and report any modifications to the system in accordance with applicable codes and standards and jurisdictional policies.

3-10: Verifying Emergency Planning and Preparedness Measures

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.10

Given

1. Field observations
2. Copies of emergency plans
3. Records of exercises

Requisite Knowledge and Skills

1. *Identify* requirements related to emergency evacuation drills required within the jurisdiction
2. *Identify* ways to conduct and/or evaluate fire drills in various occupancies
3. *Recognize* human behavior commonly exhibited during fires and other emergencies
4. Identify the emergency evacuation requirements contained in the applicable codes and standards
5. Interpret plans and reports

Job Performance Requirements

Verify that emergency planning and preparedness measures are in place and practiced in accordance with applicable codes and standards, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-11: Inspecting Emergency Access for an Existing System

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.11

Given

1. Field observations

Requisite Knowledge and Skills

1. *Identify* codes and standards applicable to emergency access
2. *Identify* policies of the jurisdiction applicable to emergency access
3. *Describe* emergency access and accessibility requirements
4. *Locate* emergency access requirements contained in the applicable codes and standards
5. Observe, recognize problems with, and make decisions about emergency access

Job Performance Requirements

Inspect emergency access for an existing system in order to ensure maintenance of the required access for emergency responders, and identify, document, and correct deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-12: Verifying Code Compliance for Incidental Storage, Handling, and Use of Flammable and Combustible Liquids and Gases

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.12
2. *Office of the State Fire Marshal*

Given

1. Field observations
2. Inspection guidelines from the jurisdiction

Requisite Knowledge and Skills

1. *Identify* the classification of incidental amounts of flammable and combustible liquids and gases
2. *Identify* the properties of incidental amounts of flammable and combustible liquids and gases
3. *Identify* the labeling requirements of incidental amounts of flammable and combustible liquids and gases
4. *Identify* the storage requirements of incidental amounts of flammable and combustible liquids and gases
5. *Identify* the handling requirements of incidental amounts of flammable and combustible liquids and gases
6. *Identify* the use of incidental amounts of flammable and combustible liquids and gases
7. Observe, recognize problems with, and make decisions about incidental amounts of flammable and combustible liquids and gases
8. Apply codes and standards applicable to incidental amounts of flammable and combustible liquids and gases

Job Performance Requirements

Verify code compliance for incidental storage, handling, and use of flammable and combustible liquids and gases in order to address applicable codes and standards and identify, document, *and report* deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-13: Verifying Code Compliance for Incidental Storage, Handling, and Use of Hazardous Materials

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.13

Given

1. Field observations

Requisite Knowledge and Skills

1. *Identify* the classification of hazardous materials
2. *Identify* the properties of hazardous materials
3. *Identify* the labeling requirements of hazardous materials
4. *Identify* the transportation requirements of hazardous materials
5. *Identify* the storage requirements of hazardous materials
6. *Identify* the handling requirements of hazardous materials
7. *Identify* the use of hazardous materials
8. Observe, recognize problems with, and make decisions about hazardous materials
9. Apply codes and standards applicable to hazardous materials

Job Performance Requirements

Verify code compliance for incidental storage, handling, and use of hazardous materials in order to address applicable codes and standards for each hazardous material encountered and identify, document, and report each deficiency in accordance with applicable codes and standards and jurisdictional policies.

3-14: Recognizing a Hazardous Fire Growth Potential in a Building or Space

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.14

Given

1. Field observations

Requisite Knowledge and Skills

1. *Identify* the flame spread and smoke development ratings of contents, interior finishes, building construction elements, decorations, decorative materials, and furnishings
2. *Identify* safe housekeeping practices related to hazardous fire growth potential
3. Observe and make decisions about fire growth potential
4. Apply codes and standards related to hazardous fire growth potential
5. Recognize hazardous conditions

Job Performance Requirements

Recognize a hazardous fire growth potential in a building or space in order to identify, document, and report hazardous conditions in accordance with applicable codes and standards and jurisdictional policies.

3-15: Verifying Fire Flows

Authority

1. NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner (2014)
 - Paragraph 4.3.16

Given

1. Fire flow test results
2. Water supply data

Requisite Knowledge and Skills

1. *Identify* types of water distribution systems and other water sources in the local community
2. *Identify* water distribution system testing processes
3. *Identify* characteristics of public and private water supply systems
4. *Identify* flow testing procedures
5. Use Pitot tubes, gauges, and other data-gathering devices
6. Calculate and graph fire flow results

Job Performance Requirements

Verify that fire flows for a site are in accordance with applicable codes and standards and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-16: Inspecting Tents, Canopies, and Temporary Membrane Structures

Authority

1. *Office of the State Fire Marshal*

Given

1. *Applicable codes and standards*
2. *Applicable jurisdictional policies*

Requisite Knowledge and Skills

1. *Define the following terms: tent, canopy, temporary membrane structure*
2. *Identify the state requirements for tents, canopies and other temporary membrane structures (10 persons or greater)*
3. *Identify when the California Building Code regulates a tent, canopy or membrane structure*
4. *Observe, recognize problems with, and make decisions about tents, canopies, and temporary membrane structures*
5. *Apply codes and standards related to fireworks storage and display*

Job Performance Requirements

Inspect a tent, canopy, or temporary membrane structure to verify that it complies with applicable codes and standards, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-17: Inspecting Safe and Sane Fireworks Retail Stands

Authority

1. *Office of the State Fire Marshal*

Given

1. *Applicable codes and standards*
2. *Applicable jurisdictional policies*

Requisite Knowledge and Skills

1. *Identify fireworks classifications*
2. *Identify codes and standards applicable to fireworks storage, display, and transportation*
3. *Describe types of licenses and permits required for fireworks storage and display*
4. *Observe, recognize problems with, and make decisions about fireworks storage and display*
5. *Apply codes and standards related to fireworks storage and display*

Job Performance Requirements

Inspect a "Safe and Sane" fireworks stand to verify that the fireworks display and storage comply with applicable codes and standards, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-18: Inspecting a Public Fireworks Display

Authority

1. *Office of the State Fire Marshal*

Given

1. *Applicable codes and standards*
2. *Applicable jurisdictional policies*

Requisite Knowledge and Skills

- *Identify codes and standards applicable to public fireworks displays*
- *Describe types of licenses and permits required for public fireworks displays*
- *Describe fire and life safety aspects related to public fireworks displays*
- *Observe, recognize problems with, and make decisions about public fireworks displays*
- *Apply codes and standards related to public fireworks displays*

Job Performance Requirements

Inspect a public fireworks display in order to verify that fireworks storage, handling, and use comply with applicable codes and standards, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

3-19: Inspecting Proximate Fireworks or Special Effects Displays

Authority

1. *Office of the State Fire Marshal*

Given

1. *Applicable codes and standards*
2. *Applicable jurisdictional policies*

Requisite Knowledge and Skills

- *Identify codes and standards applicable to proximate fireworks or special effects displays*
- *Describe types of licenses and permits required for proximate fireworks or special effects displays*
- *Describe fire and life safety aspects related to proximate fireworks or special effects displays*
- *Observe, recognize problems with, and make decisions about proximate fireworks or special effects displays*
- *Apply codes and standards related to proximate fireworks or special effects displays*

Job Performance Requirements

Inspect a proximate fireworks or special effects display in order to verify that fireworks storage, handling, and use comply with applicable codes and standards, and identify, document, and report deficiencies in accordance with applicable codes and standards and jurisdictional policies.

Section 4: Wildland Urban Interface Environments

4-1: Inspecting Exterior Hazards Abatement

Authority

1. *Office of the State Fire Marshal*

Given

1. *Applicable codes and standards*
2. *Jurisdictional policies*

Requisite Knowledge and Skills

1. *Describe the wildland urban interface environment*
2. *Identify the history of fire in the wildland urban interface environment*
3. *Describe the consequences of severe wildland fire conditions on unmitigated wildland urban interface areas*
4. *Identify factors impacting wildland fire behavior*
5. *Define fire hazard severity zone classifications*
6. *Describe methods for dealing with fire hazards associated with wildland urban interface environment*
7. *Describe the components of a vegetation management plan*
8. *Observe, recognize problems with, and make decisions about exterior hazard abatement*
9. *Apply codes and standards related to wildland urban interface environments*

Job Performance Requirements

Inspect exterior hazards abatement on an existing property in order to verify compliance with applicable codes and standards, and identify, document, and report deficiencies and mitigation measures in accordance with applicable codes and standards and jurisdictional policies.

State Fire Training Content

Code Key

Blocks

- G = Given
- RKS = Requisite Knowledge and Skills
- JPR = Job Performance Requirements
- NCTS = New certification training standard

Certification: Fire Inspector 1

CTS	Block	Addition	Justification	Source/Reference
1-1	RKS	Conducting fire safety inspections in the wildland urban interface environment	This task is not included in NFPA 1031 but is required by California law.	<ul style="list-style-type: none"> • California Code of Regulations, Title 24, Chapter 7A (2016) • Public Resources Code Section 4291
1-1	G	Chapter 7A of California Code of Regulations Title 24 (2016)	This task is not included in NFPA 1031 but is required by California law.	<ul style="list-style-type: none"> • California Code of Regulations, Title 24, Chapter 7A (2016) • Public Resources Code Section 4291
1-2	NCTS	Legal Responsibilities and Authority	Cadre believes it is vital for a Fire Inspector to be able to identify the California codes grant authority to his or her position.	<ul style="list-style-type: none"> • California Health and Safety Code • California Code of Regulations Title 19 • California Code of Regulations Title 24
2-1	RKS	Recognize the common components of an inspection report	When the student prepares a report (see JPR), he or she must understand content.	N/A
2-1	G	A sample inspection report or template	When the student prepares a report (see JPR), he or she must understand content.	N/A

State Fire Training Content

CTS	Block	Addition	Justification	Source/Reference
2-4	RKS	Recognize whether or not a complaint addresses a violation of jurisdictional codes or standards	The NFPS requisite skill “recognize problems” didn’t provide enough detail.	N/A
3-12	JPR	Added /and report/.	All of the other JPRs that include /identify/ and /document/ also include /and report/. Added for consistency with all other deficiency-related JPRs.	N/A
3-16	NCTS	Inspecting Tents, Canopies, and Temporary Membrane Structures	This responsibility is not included in NFPA 1031, but is required of a Fire Inspector in California.	California Code of Regulations, Title 19, Division 1, Chapter 2, Article 3
3-17	NCTS	Inspecting Safe and Sane Fireworks Retail Stands	This responsibility is not included in NFPA 1031, but is required of a Fire Inspector in California if this activity occurs within his or her jurisdiction.	California Code of Regulations, Title 19, Division 1, Chapter 6.
3-18	NCTS	Inspecting a Public Fireworks Display	This responsibility is not included in NFPA 1031, but is required of a Fire Inspector in California if this activity occurs within his or her jurisdiction.	California Code of Regulations, Title 19, Division 1, Chapter 6.
3-19	NCTS	Inspecting Proximate Fireworks or Special Effects Displays	This responsibility is not included in NFPA 1031, but is required of a Fire Inspector in California if this activity occurs within his or her jurisdiction.	California Code of Regulations, Title 19, Division 1, Chapter 6.
4-1	NCTS	Requirements for Wildland-Urban Interface Fire Areas (Hazardous Vegetation and Fuel Management)	This responsibility is not included in NFPA 1031, but is required of a Fire Inspector in California.	International Code Council (2016) and California Fire Code (2016)

Additional Notes

The cadre has removed NFPA 1031 Section 4.3.15 from this CTS guide. The job performance requirement contained in 4.3.15 (Determine code compliance, given the codes, standards, and policies of the jurisdiction and a fire protection issue, so that the applicable codes, standards, and policies are identified and compliance is determined) is already completed throughout the other standards included in this CTS guide under specific circumstances.

Errata

Code Key

Blocks

- G = Given
- RKS = Requisite Knowledge and Skills
- JPR = Job Performance Requirements
- NCTS = New certification training standard

Changes

- New text show in underline
- Deleted text shown in ~~strikeout~~

Not Applicable

Certification History

November 2019

The November 2019 changes reflect updates based upon the 2014 edition of NFPA 1031 Standard for Professional Qualifications for Fire Inspector and Plan Examiner. There were no changes found within Chapter 4 Fire Inspector 1. Several editorial changes were made as well as updating the edition of NFPA 1031. The following SFT documents were updated:

- Certification Training Standards Guide (CTS) Guide
- Course Plans
- Activities
- Task Book

October 2010

In October 2010, SFT released the new Fire Inspector 1 curriculum and certification as a replacement for Fire Prevention Officer certification. The certification was based off the 2009 edition of NFPA 1031 *Standard for Professional Qualifications for Fire Inspector and Plan Examiner*. Through the contract with California State University, Sacramento, Department of Continuing Education, a development cadre was formed with fire service personnel representing organizations throughout the state.